

केंद्रीय विद्यालय न 1 रुड़की

शीत कालीन गृह कार्य 2023-24

कक्षा -छठी

विषय हिन्दी

प्रश्न 1- (क) औपचारिक पत्र लेखन - भाई की शादी में जाने के लिए अपने विद्यालय के प्राचार्य जी को दो दिन के अवकाश हेतु पत्र लिखिये।

(ख) अपने मित्र को जन्मदिन की बधाई देने के लिए एक पत्र लिखिये।

प्रश्न 2- निम्न विषयों पर अनुच्छेद लेखन कीजिए - मेरा विद्यालय, आदर्श विद्यार्थी।

प्रश्न 3- अपनी पाठ्य पुस्तक की कोई भी एक कंठस्थ की हुई कविता लिखिए।

प्रश्न 4- संवाद लेखन कीजिए - रमेश अपने मित्र श्याम के साथ पर्यावरण पर विचार करते हैं।

प्रश्न 5- पर्यायवाची शब्द लिखिए - आकाश, पृथ्वी, पेड़, फूल, कमल, पानी, अग्नि, किताब।

प्रश्न 6- विलोम शब्द लिखिए - भाई, ऊपर, पूरा, पाप, विद्यार्थी, अमृत, अग्नि, पृथ्वी।

प्रश्न 7- मुहावरे कीजिए - कोई पांच मुहावरे अर्थ सहित लिखिए और उनका वाक्य प्रयोग भी कीजिए।

प्रश्न 8- गांधी जी आश्रम में बहुत से काम करते थे आप भी ऐसे कामों की सूची बनाओ जिन्हें आप स्वयं रोज करते हैं।

प्रश्न 9- हमारे यहां स्त्रियों के खास लोकगीत कौन-कौन से हैं? आप भी कोई एक लोकगीत लिखिए।

प्रश्न 10- पांच ज्ञानेंद्रिय के नाम और उनके कार्य लिखिए।

प्रश्न-11. 'जो देखकर भी नहीं देखते' से लेकर 'नौकर' पाठ तक के सभी प्रश्न उत्तरों को याद करें।

Class VI

Sub: Science

- 1 Arrange the following lengths in their increasing magnitude :
1 metre, 1 centimetre, 1 kilometre, 1 millimetre.
- 2 The height of a person is 1.65 m. Express it in cm and mm.
- 3 Fill in the blanks:
(i) One metre is _____
(ii) Five kilometre is _____
(iii) Motion of a child on a swing is _____ .
(iv) Motion of the needle of a sewing machine is _____ .
(v) Motion of wheel of a bicycle is _____ .
- 4 While measuring the length of a knitting needle, the reading of the scale at one end is 3.0 cm and at the other end is 33.1 cm. What is the length of the needle?
- 5 What is periodic motion ?
- 6 In a completely dark room, if you hold up a mirror in front of you, will you see a reflection of yourself in the mirror?
- 7 What is light ? what are luminous and non luminous objects?
- 8 What are transparent , translucent and opaque objects
- 9 Pinhole camera?
- 10 Fill in the blanks:
(a) A device that is used to break an electric circuit is called _____
(b) An electric cell has _____

- 11 Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain
- 12 Explain why bulb will not glow in this arrangement

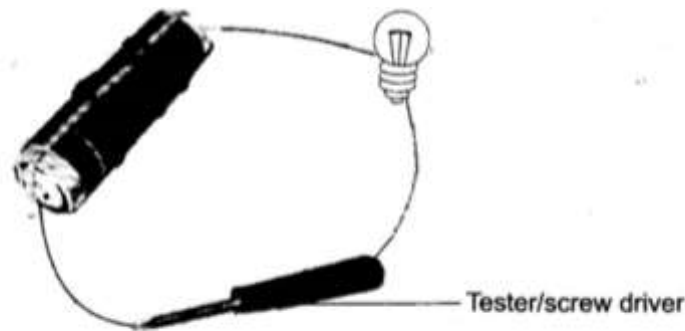


Fig. 12.8

- 13 sometimes an electric bulb does not glow even if it is connected to the cell. What could be the reason?
- 14 How are cactus adapted to survive in a desert?
- 15 Fill in the blanks:
 - (a) The presence of specific features which enables a plant or an animal to live in a particular habitat is called _____.
 - (b) The habitats of the plants and animals that live on land are called _____ habitats.
 - (c) The habitats of plants and animals that live in water are called _____ habitats.
 - (d) Soil, water and air are the _____ factors of a habitats.
 - (e) Changes in our surroundings that make us respond to them are called _____.

Biotic and abiotic components WINTERBREAK HOMEWORK CLASS 6

Q.1. The height of a person is 1.65 m. Express it into cm and mm.

- Q. 2. What is electric circuit?
- (ii) How many types of electric circuit are there? Define them.
- (iii) Draw a diagram to show the closed circuit for switch, bulb and dry cell.

Q.3 Paheli connected two bulbs to a cell, as shown in fig 12.8,

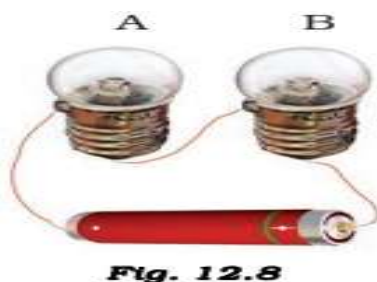


Fig. 12.8

She found that the filament of bulb B is broken. Will the bulb A glow in this circuit? Give reason.

Q4. Fig 12.10 A and B show a bulb connected to a cell in two different ways.

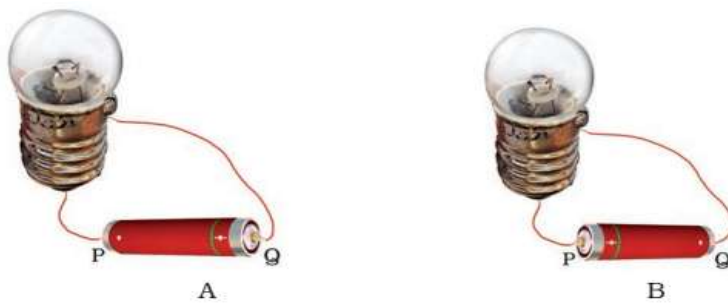


Fig. 12.10

- (i) What will be the direction of the current through the bulb in both cases (Q to P or P to Q)?
 (ii) Will the bulb glow in both cases?

Q.5 Think of six activities which use electric current. Also, name the devices used to perform the activity.

	Activity you perform	Device
Example :	Get light	Torch
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

Q.6 Ramesh's mom asked him to go get paneer from the market. The market is 1550 m from his home. Express this distance into km

Q.7 What kind[s] of motion is shown by the following?

1. Motion of hands of a clock _____
2. Motion of a bicycle _____
3. Motion of needle of sewing machine _____.
4. Students marching in a parade. _____.
5. A ball thrown from the top floor. _____..

Q.8 Give the unit for measuring the following:

- (a) Distance between Delhi and Jaipur.
- (b) Thickness of a coin.
- (c) Length of your eraser.
- (d) Length of your shoe lace.

Q.9 Mention one adaptation present in the following animals.

- (a) In camels to keep their bodies away from the heat of the sand.
- (b) In frogs to enable them to swim.
- (c) In dolphins and whales to breathe in the air when they swim near the surface of the water.

Q.10 List four natural sources of light. AND four man-made sources of light.

Q.11 Sanvi was trying to see through a N shaped pipe? Will she be able to see through it? Justify your answer.

Q.12 Three identical towels of red, blue and green colour are hanging on a clothes line in the sun. What would be the colour of shadows of these towels?

Q.13 .Define the following term sA.Reproduction B. Excretion C. Stimuli D. Periodic Motion E. Shadow

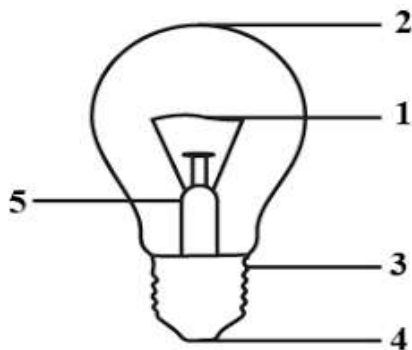
Q.14 **Identify conductors and insulators from the following: Eraser, paper, matchstick, copper wire, pencil lead, polythene**

Q.15 _____ Name _____ the _____ following:

- a. The form of energy that helps us to see.
- b. The phenomena when light bounces off an object.
- c. The phenomena in which our left hand looks like right hand.
- d. A smooth surface that reflects a clear image of the object.
- e. The materials which allow light to pass through them.
- f. The darkest part of shadow.
- g. Object through which light cannot pass at all.
- h. **What is the direction of flow of current in a dry cell.**

i. **Name the +ve terminal of dry cell.**

Q.16 Label the following



Q.17 .Activity:

a) MAKE A MODEL OF PERISCOPE (ROLL NO. 1 TO 10)






















b).MAKE A PINHOLE CAMERA. (ROLL NO. 11 TO 20)

c)) Prepare a chart paper:On adaptive features of any animal or plant with pictures. (ROLL NO. 21 TO 30)























d) Task Measure the height of your four family members with a measuring Tape in inches and then converting it in cm and mm and plotting them On a graph. . (ROLL NO. 30 TO last roll no)





















Class 6 Holiday Home Work (Mathematics)

1. Arrange in ascending order: 0.011, 1.001, 0.101, 0.110.
2. What should be added to 25.5 to get 50?
3. Alok purchased 1kg 200g potatoes, 250g dhania, 5kg 300g onion, 500g palak and 2kg 600g tomatoes. Find the total weight of his purchases in kilograms.
4. Arrange 12.142, 12.124, 12.104, 12.401 and 12.214 in ascending order.
5. Find the value of $102.36 + 7.054 + 0.8$
6. Find the value of $18.003 + 41.7 + 10.95 + 5.057$
7. Shyam bought a book for Rs. 35.65. He gave Rs. 100 to the shopkeeper. How much money did he get back from the shopkeeper?
8. Express as rupees using decimals.
(a) 5 paise (b) 350 paise (c) 2 rupees 60 paise (d) 5 rupees 9 paise
9. Representation of data in the form of picture is called _____
a. bargraph b. pictograph c. histogram d. none of these
10. Find the perimeter of a rectangle whose length and breadth are 150 cm and 1 meter respectively.
11. An athlete takes 10 rounds of a rectangular park, 50 m long and 25 m wide. Find the total distance covered by him.
12. Find the perimeter of a regular pentagon with each side measuring 3cm.
13. The perimeter of a regular hexagon is 18 cm. How long is its one side?
14. Find the side of the square whose perimeter is 20m.
15. The perimeter of a regular pentagon is 100 cm. How long is its each side?
16. Find the area in square metre of a piece of cloth 1m 25 cm wide and 2 m long.
17. A room is 6 m long and 4 m 50 cm wide. How many square metres of carpet is needed to cover the floor of the room?
18. Find (a) area and (b) perimeter of a square whose side is 12cm.
19. The sale of electric bulbs on different days of a month is shown below. From the following above pictograph,
(a) Find the number of electric bulb purchased for a lodging house during February
(b) Find the number of electric bulb purchased for a lodging house during April
(c) In which month the sale of electric bulb is least.
(c) In which month the sale of electric bulb is maximum.

Months	Number of Electric Bulb,  = 5 bulbs
January	    
February	     
March	   
April	    

20. Following is the pictograph of the number of Auto manufactured by a factory in a particular week.

Days	Number of Maruti Van manufactured  = 300 Autos
Monday	      
Tuesday	        
Wednesday	    

Thursday	     
Friday	    
Saturday	        

- (d) On which day were the least number of Auto manufactured?
(e) On which day were the maximum number of Auto manufactured?
(f) Find out the approximate number of Auto manufactured in the particular week?

6A

classmate
Date _____
Page _____

Holiday Homework of Winter
Break

1. Name the major physical divisions of India.
2. India shares its land boundaries with seven countries. Name them and show on the map of India.
3. Which two rivers fall into the Arabian sea. Show on the map.
4. Show the following on the map of India:-
 - (i) Tropic of Cancer.
 - (ii) Standard Meridian of India.
 - (iii) State in which you live.
 - (iv) Andaman Islands and Lakshadweep Islands.

- (v) Western Ghats and Eastern Ghats
- (vi) Maldives
- (vii) Himachal and Shivalik ranges
- (ix) Aravali mountains
- (x) Largest state - Rajasthan.
- (xi) Sunderban delta.
- (xii) Palk strait

5. How many states and union territories are there in India. Which states have a common capital?

6. Show the following on the world map.
According to page no-31, Fig. 5.1.

7. Prepare for PT-2 exam. Syllabus:-

- History - New Questions and Ideas.
Ashoka, the emperor who gave up war.
- Civics - Rural Administration.
Urban Administration.
- Geography - Maps.
Major domains of the earth.

HOLIDAY HOMEWORK (Winter Break 2023-2024)

Class VI Subject English

Q.1 Read the following passage carefully.

I am the mother of three children. My youngest daughter is sick. She has an illness that will never go away, but it can be managed. She needs medicine to manage her illness. This medicine used to cost ten dollars a month. Now it costs thirty dollars a month. Without this medicine, my daughter has trouble breathing. Sometimes her lungs do not work well. She cannot get enough air into her lungs. Then she needs the medicine to help her lungs work again. We have to buy the medicine. We do not have a choice. But it will be hard to find an extra thirty dollars a month. Our family will have to spend less money on other things.

Based on the understanding of reading the above passage, choose the right answer from the options.

Q1) The daughter needs the medicine to (1 Mark)

- A. give her more air
- B. help her lungs work again
- C. breathe for her when she cannot

D. make her illness go away

Q2) The mother says, "We do not have a choice" to explain that (1 Mark)

A. she will definitely buy the medicine

B. someone else is making her buy the medicine

C. her daughter will die without the medicine

D. she does not want to buy the medicine

Q3) Based on information in the passage, it can be understood that in the future, the family will most likely (2 Marks)

A. needs help paying for the medicine

B. find extra money hidden somewhere

C. only buy things on sale

D. have to save money on something else

Q4) What is the main reason the family will have to spend less money on other things? (1 Mark)

A. the daughter has an illness that will never go away

B. the price of the medicine went up

C. the daughter needs the medicine to help her breathe

D. twenty dollars every month is a lot of money

Q. 2 Read the following outline and write stories by developing those points.

A. An old man – four sons – a company of bad boys – advised – parent's concern.....started business..... earning improved.....happy family.

B. The mice in a house..... afraid of the cat hold a meeting one proposes to tie a bell round the cat's neck..... all agree who is to bell the cat? No mouse offers..... the cat appears..... all run away.

Q.3 Write one- one paragraph on the given topics.

1.Sports day celebration .

2.My birthday celebration .

3.Grand parent's day celebration in my school ☐

4. Place I have during winter break.

Q.3 Re-arrange the following words/phrases to make meaningful sentences:

(a) person/a/healthy/exercise/makes

(b) important /in/ life / it/ one's /is

(c) exercises/physical/person/make/physically/a/fit

(d) mental/makes/fresh/the/exercise/mind

(e) mind/it/sharp/makes/the/too.

Q. 4 Solve the following passage by highlighting the incorrect phrase and mentioning the correct phrase in the next column.

(A)

Passage Incorrect Correct

Paper were first made by the Egyptians

From the plant names papyrus. For _____
 the long time, papyrus was used extensively _____
 as writing material before a Chinese _____
 perfected the processes. Demand of paper _____
 growing with the advent of books worldwide.

(B)

Passage Incorrect Correct

Children are fond to mango. It is a _____
 juicy or citrous fruit, available in _____
 much varieties. Mangoes grow on a _____
 tree over tropical and temperate climate. _____
 One of the best place to have good mangoes _____
 was Andhra Pradesh, India _____

Q. 5 Learn and write all question answers as well as exercises of the following lessons.

1. The Wonderful Words
2. Fair Play
3. Vocation
4. The Monkey ☐ And The Crocodile
5. The Wonder Called Sleep
6. A Pact With the Sun ☒ ☐

Q. 6 Write 5 page handwriting. Learn 5 new English words every day and write them in your notebook date wise.

Note. Do your Holiday homework in English notebook.

WINTERBREAK HOMEWORK CLASS 6

Q.1.The height of a person is 1.65 m. Express it into cm and mm.

Q. 2. **What is electric circuit?**

(ii) How many types of electric circuit are there? Define them.

(iii) Draw a diagram to show the closed circuit for switch, bulb and dry cell.

Q.3 Paheli connected two bulbs to a cell, as shown in fig 12.8,

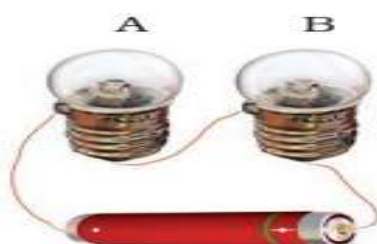


Fig. 12.8

She found that the filament of bulb B is broken. Will the bulb A glow in this circuit? Give reason.

Q4. Fig 12.10 A and B show a bulb connected to a cell in two different ways.



Fig. 12.10

- (ii) What will be the direction of the current through the bulb in both cases (Q to P or P to Q)?
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Q.5 Think of six activities which use electric current. Also, name the devices used to perform the activity.

	Activity you perform	Device
Example :	Get light	Torch
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	_____	_____
	_____	_____
	_____	_____
	_____	_____

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6. Motion of hands of a clock _____
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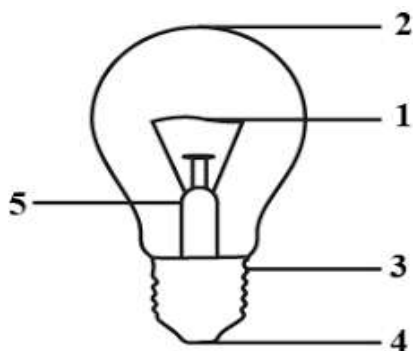
Q.13 .Define the following term sA.Reproduction B. Excretion C. Stimuli D. Periodic Motion E. Shadow

Q.14 Identify conductors and insulators from the following: Eraser, paper, matchstick, copper wire, pencil lead, polythene

Q.15 _____ Name _____ the _____ following:

- j. The form of energy that helps us to see.
- k. The phenomena when light bounces off an object.
- l. The phenomena in which our left hand looks like right hand.
- m. A smooth surface that reflects a clear image of the object.
- n. The materials which allow light to pass through them.
- o. The darkest part of shadow.
- p. Object through which light cannot pass at all.
- q. **What is the direction of flow of current in a dry cell.**
- r. **Name the +ve terminal of dry cell.**

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Q.17 .Activity:

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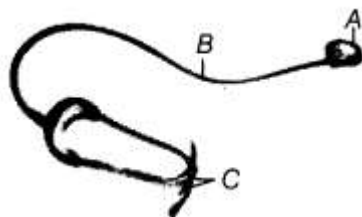
b).MAKE A PINHOLE CAMERA. (ROLL NO. 11 TO 20)

c)) Prepare a chart paper:On adaptive features of any animal or plant with pictures. (ROLL NO. 21 TO 30)

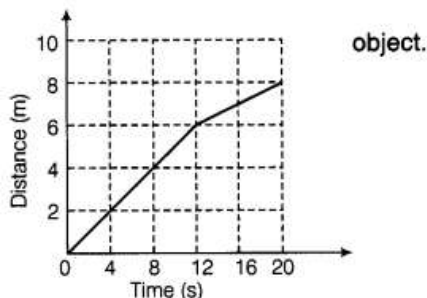
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Winterbreak holiday homework science class-7-2023-24

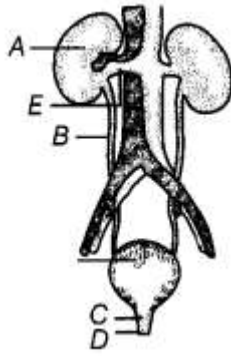
1. Why is an electric fuse required in all electrical appliance?
2. Explain why are CFLs (Compact Fluorescent Lamps) preferred over electric bulb.
3. Mention the name of the two devices that work on the basis of magnetic effects of current.
4. If the current through the coil stops flowing. Will the coil remain an electromagnet?
5. Distinguish between an open circuit and a closed circuit.
6. Explain the following.
 - (a) Copper and aluminium wires are usually employed for electricity transmission. Explain the reason.
 - (b) Explain how does the resistance of a wire vary with its length.
 - (c) The tungsten is used almost exclusively for filament of electric lamp. Comment.
7. A flower consists of different parts. Name these parts of a flower.
8. Mention the mode of reproduction in the following plants
 - (a) Spirogyra
 - (b) Yeast
 - (c) Money plants
9. Give one difference between unisexual and bisexual flower.
10. In which part of flower does fertilisation occur?
11. RBC contains a red coloured pigment which carries oxygen with it. What is the pigment called?
12. Waste carbon dioxide and urea are removed from our body by which organs?
13. Observe given figure and answer the given question.



- (a) Name the instrument.
 - (b) Label the parts A, B and C.
14. Give one function of each of the following organs,
 - (a) Blood vessels
 - (b) Kidney
 - (c) Blood platelets
 - (d) Heart
 15. Determine the number of seconds there in a day.
 16. A spaceship travels 36000 km in one hour. Express its speed in km/s.
 17. Given below as a figure is the distance-time graph of the motion of
 - (a) What will be the position of the object at 20 s?
 - (b) What will be the distance travelled by the object in 12 s?
 - (c) What is the average speed of the object?



18. A bus travels 54 km in 90 min. The speed of the bus is-
19. The given diagram is of human excretory system. Label the marked parts of it.



20. Fill in the Blanks

1. Blood consists of,, and platelets.
2. Human heartbeats about times per minute in an adult person.
3. and are removed along with water as sweat.
4. are the vessels which carry CO₂ rich blood from body parts to heart.
5. The is an organ which beats continuously to act as a
6. Heart is located in the
7. Doctors use as a device to amplify the sound of heart.
8. The parts or organs involved in excretion to form the
9. Heart has four called as chambers.
10. The function of kidney is to filter the to remove
- The small bulb like projections coming out from the yeast cell is called a
11. The scars present on the potato tubers are called
12. Spirogyra is an alga which may break up into two or more
13. The is the male reproductive part of flower while is the female reproductive part of a flower.
14. Pollen grains are that can be carried by or
15. The cells which result after of the gametes is called
16. Our body is a of electricity.
17. An electric cell produces electricity from the in it.
18. In an electric circuit, a fuse is a, to prevent possible fire.
19. A combination of two or more cells is called a
20. The core of an electromagnet is made from

कक्षा -सातवीं

विषय हिन्दी

प्रश्न 1- (क) पत्र लेखन - शुल्क मुक्ति (फीस माफ़ी) के लिए अपने विद्यालय के प्राचार्य जी को पत्र लिखिये |

(ख) छोटी बहन को परीक्षा में अच्छे अंक प्राप्त करने के लिए बधाई देने के लिए एक पत्र लिखिये |

प्रश्न 2- अनुच्छेद लेखन - मेरा प्रिय खेल ,विद्यार्थी जीवन में अनुशासन |

प्रश्न 3- अपनी पाठ्य पुस्तक की कोई भी एक कंठस्थ की हुई कविता लिखिए |

प्रश्न 4- संवाद लेखन- कुर्सी और मेज के बीच संवाद लिखिए |

प्रश्न 5- पर्यायवाची शब्द लिखिए -आकाश , मोर ,अतिथि ,आंख ,किताब ,चंद्रमा ,दिन, नदी

प्रश्न 6- विलोम शब्द लिखिए - कठोर, ऊंचा ,कमजोर ,फूल ,आदि, अमृत ,गुरु ,बच्चा ।

प्रश्न 7-मुहावरे कीजिए -कोई पांच मुहावरे अर्थ सहित लिखिए और उनका वाक्य प्रयोग भी कीजिए ।

प्रश्न 8- खानपान के मामले में स्थानीयता का क्या अर्थ है ,कुछ प्रमुख राज्यों और उनके व्यंजनों के नाम लिखिए?

प्रश्न 9- ध्यानचंद को हॉकी का जादूगर क्यों कहा जाता है ? अपना कोई पसंद का खेल और उसके खिलाड़ियों के नाम लिखिए?

प्रश्न 10- नीलकंठ पाठ में किन जानवरों का जिक्र हुआ है ,सभी के नाम लिखिए?

प्रश्न-11. 'खानपान की बदलती तस्वीर' से लेकर 'वीर कुंवर सिंह' पाठ तक के सभी प्रश्न उत्तरों को याद करें ।

कक्षा:- षष्ठम विषय:- संस्कृत

प्रश्न: 1. संस्कृत प्रतिज्ञा लिखत स्मरत च।

प्रश्न:2.संस्कृत प्रार्थना लिखत स्मरत च।

प्रश्न:3 .धातुरूपाणि पठ्, गम् (लट् लोट् लृट् विधिलिङ्ग) लिखत स्मरत च ।

प्रश्न: 4 शब्दरूपाणि बालक, बालिका, पुष्प,मुनि लिखत स्मरत च ।

प्रश्न: 5. संस्कृत संख्या 1- 100 पर्यन्तं लिखत स्मरत च ।

(संस्कृत संख्या 1से 100 तक लिखिए और याद करिए।)

प्रश्न: 6. द्वितीय सावधिक परीक्षायां पाठ्यक्रम पुनरावृत्तिसहितां स्मरणं च कुरु (अभ्यास से कोई दो प्रश्न)

(द्वितीय सावधिक परीक्षा पाठ्यक्रम के अनुसार पुनरावृत्ति के साथ याद करिए तथा अभ्यास से कोई दो प्रश्न करें।)

प्रश्न: 7.कृषिका कर्मवीरा: पाठनुसारे कृषक: गुणं लिखत।

(कृषिका कर्मवीर: पाठ के अनुसार किसान के गुण संस्कृत में लिखिए।)

प्रश्न:8.शैक्षिक दैनन्दिनयां पाठः सुक्तिस्तबकः, क्रीडास्पर्धा, कृषिका, कर्मवीराः, दशमः त्वम् असि विषये लिखत।

[छात्र शैक्षिक दैनन्दिनी (लर्नर्स डायरी)में पाठः सुक्तिस्तबकः, क्रीडास्पर्धा, कृषिका, कर्मवीराः, दशमः त्वम् असि के विषय में लिखिये]

सूचना: प्रश्न 1से 7तक का कार्य अपनी संस्कृत नोट बुक में ही करें और प्रश्न 8.छात्र दैनन्दिनी(लर्नर्स डायरी) अपनी पूर्व वाली छात्र दैनन्दिनी नोट बुक में ही आगे लिखें।

परियोजना कार्य -

1 से 50 तक संस्कृत संख्या चार्ट पेपर पर या A4 sheet पर लिखें।

या

पाठ सूक्ति स्तबकः अथवा कृषिकाः कर्मवीराः पाठ के श्लोक चार्ट पेपर पर या A4 sheet पर लिखें ।

WINTER BREAK HOLIDAY HOMEWORK (2023-24)

SOCIAL SCIENCE

Class VII-B

History

1. With reference to Baba Guru Nanak, what do the following terms means?

- (A) Langar
- (B) Dharmsal
- (C) Gurumukhi
- (D) Guru Granth Sahib
- (E) Khalsa Panth
- (F) Nam Japna
- (G) Kirt Karna

2. Write one or two sentences about the following:

I. Nomadic Pastoralists

II. Bhils

III. Banjaras

IV. Shifting cultivation

V. Paiks

3. What were tribes? Discuss their way of life.

4. List six features of the administrative system of the Gonds.

5. Compare the philosophy and Bhakti of Shankara and Ramanuja

6. Hindus and Muslims, both followed the teachings of Kabir . Why?

7. Write an article for your school bulletin board on Teachings of Baba Guru Nanak

8. Map skill:

(A) On the physical map of India mark the areas of influence of the following:

I. Mirabai

II. Namdev

III. Ramanuja

IV. Guru Nanak

V. Kabir

VI. Shankara

(B) On the physical map of India mark the areas of of the following:

I. Bhils

II. Gonds

III. Nagas

IV. Ahoms

V. Gakkhars

VI. Khokhars

VII. Kolis

VIII. Marwars

Geography

1. Define the following terms:

I. Equatorial region

II. Delta

III. Tributaries

IV. Bromeliads

V. Rainforest

VI. Slash and Burn agriculture

VII. Maloca

VIII. Terrace Farming

2. Distinguish between them:

I. Waves and Tides

II. Warm Currents and Cold Currents

3. Name the Oceans of the world and locate & label them on the World map also.

4. Why do so many countries face water scarcity?

5. Why are the plains of the Ganga-Brahmaputra basin densely populated?

6. How are the rivers being polluted?

7. What causes high and low tides? How are high tides useful?

8. Map skill:

(A) On the outline map of the world mark and label the following seas, Lakes and rivers:

I. Mediterranean Sea II. Dead Sea III. Lake Victoria IV. River Nile
V. River Congo VI. River Darling VII. River Ganga VIII. Arabian Sea IX. Amazon River

(B) On the political map of world mark the countries through which the equator passes.

(C) On the Political map of India locate the following:

I. Mumbai-Pune Industrial region II. Bangalore -Tamilnadu Industrial region
III. Jamshedpur IV. Ahmedabad V. Bhopal

(D) On the Political map of India show the states covered in the Ganga Brahmaputra Basin.

Political science

1. Define the following terms:

I. Media II. Electronic Media III. Print Media IV. Internet V. Broadcast
VI. Censor VII. Public protest VIII. Campaign IX. Public rallies X. Adivasi

2. Imagine you are from the press and asked to cover your school annual day. Write a short news items for the newspaper.

3. What is the contribution of Rashsundari Devi in creating awareness towards women?

4. 8th March is important for women. Why?

5. What do you understand by the term 'Women's Movement'?

6. List two advantages of the following:

I. Weekly market

II. Neighbourhood shops

III. Chain of markets

IV. Wholesale markets

7. In a democracy the media has to be very responsible. Why?

8. Show the journey of the shirt from the cotton plant to the shopping mall. How many hands does it change?

Note: Student should revise/reiterate all lessons of PERIODIC TEST-2 with written practice

Note: Complete above assigned work in Note Book during winter break and submit after that till 15/01/2024.

HOLIDAY HOMEWORK (Winter Break 2023-2024)

Class VII Subject English

Q.1 Read the following passage carefully.

About the year 1900, a small, dark-haired boy named Charles Chaplin was often seen waiting outside the back entrances of London theatres. He looked thin and hungry but his blue eyes were determined. He was hoping to get work in show business. He could sing and dance. His parents were music-hall performers and he had been born into the life of the theatre. And, although his own boyhood was painfully hard, he knew how to make people laugh.

His own father had died from drinking too much. And his mother was not really able to look after Charles and his older half-brother, Sid. She was often sick in mind and had to be sent to hospital.

1.1 Choose the right option.

Q 1) The boy Charles Chaplin was _____.

- a) brown-haired
- b) dark-haired
- c) red-haired
- d) light-haired

Q 2) Chaplin thought to get a job in _____.

- a) soap business
- b) hotel business
- c) show business
- d) hospital business

Q 3) His parents were _____.

- a) music-hall performers
- b) actors
- c) singers

d) directors

Q 4) His father had died due to _____.

a) an illness

b) accident

c) drinking

d) suicide

Q 5) The meaning of 'determined' is _____.

a) mind made up

b) mind turn up

c) mind fade up

d) mind turn down

Q.2 Read the passage given below and answer carefully:

One day the old emperor Shahjahan became ill. His son Aurangzeb, who always wanted to be the emperor, put his father in a jail. Jahanara Begum, the eldest child of Shahjahan, did not leave her father and went to jail along with him. She said, "I shall share the suffering of my father. He needs me in his old age, and I shall never leave him." Shahjahan lived in the jail for seven years and then he died. During that period, Princess Jahanara stayed with him and took care of him. After the death of her father, she returned to her own palace. She continued to live there and spent the rest of her life serving the needy and the poor. Before her death, she gave away all her money to the poor and the needy. She was highly educated and well-versed in Persian and Arabic, as well as a writer, painter and poet. Jahanara was Shahjahan's preferred child. Legend says that once when Aurangzeb was severely sick, Jahanara took care of him. Jahanara died on September 5, 1681, at the age of 67. Upon her death, Aurangzeb gave her the posthumous title: Sahibat-uz-Zamani (mistress of age).

3.1 On the basis of your reading of the passage, answer the questions:

Q 1) What was Aurangzeb's aim in life?

Q 2) Who was the eldest child of Shahjahan?

Q 3) Pick out and write the line from the passage which shows that Jahanara Begum was a caring daughter.

Q 4) What did Aurangzeb do when his father became ill?

Q 5) Jahanara was a kind lady. Explain.

Q 6) What did Jahanara do before her death?

Q 7) Find words in the passage which mean the same as:

- (a) King (b) Sick

Q.3 Write one- one paragraph on the given topics.

- 1.Sports day celebration in my school.
- 2.My birthday celebration .
- 3.Grand parent's day celebration in my school
4. Value of trees
5. My favourite pet.

Q.4 Re-arrange the following words/phrases to make meaningful sentences:

- (a) person/a/healthy/exercise/makes
 (b) important /in/ life / it/ one's /is
 (c) exercises/physical/person/make/physically/a/fit
 (d) mental/makes/fresh/the/exercise/mind
 (e) mind/it/sharp/makes/the/too.

Q.5 Solve the following passage by highlighting the incorrect phrase and mentioning the correct phrase in the next column.

(A)

Passage	Incorrect	Correct
Paper were first made by the Egyptians	_____	_____
From the plant names papyrus. For	_____	_____
the long time, papyrus was used extensively	_____	_____
as writing material before a Chinese	_____	_____
perfected the processes. Demand of paper	_____	_____
growing with the advent of books worldwide.		

(B)

Passage	Incorrect	Correct
Children are fond to mango. It is a	_____	_____
juicy or citrous fruit, available in	_____	_____
much varieties. Mangoes grow on	_____	_____
a		
tree over tropical and temperate	_____	_____
climate.		
One of the best place to have good	_____	_____
mangoes		

Q. 6 Learn and write all question answers as well as exercises of the following lessons.

1. Trees
2. Expert Detectives
3. Mystery of a Talking Fan
4. Invention of Vita Wonk
5. Dad and the cat and the tree
6. The Bear Story
7. Meadow Surprise
8. A Tiger in the House

Q. 7 Write 5 page handwriting. Learn 5 new English words every day and write them in your notebook date wise.

Note. Do your Holiday homework in English notebook.

शीतकालीन अवकाश गृहकार्य 2023-24

कक्षा -सप्तम

प्रश्न - 1. संस्कृत छात्र प्रतिज्ञा संस्कृत प्रार्थना च लिखत स्मरत च।

प्रश्न 2 पठित पाठों से पर्यायवाची एवं विलोम शब्दों को लिखो ।

प्रश्न - 3. द्वितीया, तृतीया, चतुर्थी, पञ्चमी एवं षष्ठी उपपद विभक्ति को उदहारण सहित लिखो ।

प्रश्न - 4. किम् (तीनों लिंगों में), मधु , नदी एवं पितृ शब्द का शब्दरूप लिखो ।

प्रश्न - 5. विद्याधनं पाठ से कोई दो श्लोक लिखकर याद कीजिए ।

प्रश्न- 6. निम्नलिखितायां वर्गप्रहेलिकायां महापुरुषाणां नामानि चिनुत ।

ग	स	रो	जि	नी	म	च
शा	स्	त्री	ट	प	टे	ल
त	बा	पू	इं	व	रे	क्ष
ने	ह	रू	दि	न	सा	मी
य	अ	इ	रा	जी	व	बा
ण	ति	ल	क	ज	ओ	ई
फ	सु	भा	ष	ध	ए	उ

प्रश्न: 7. संस्कृत संख्या 1 से 100 तक लिखो व याद करो।

प्रश्न 8. छात्र दैनन्दिनी (लर्नर्स डायरी) पाठ अहमपि विद्यालयं गमिष्यामि से लेकर पाठ: विद्याधनम् तक पूर्ण करें।)

प्रश्न 9. परियोजना कार्यम्-“ संस्कृत भाषायां महत्त्वम्” विषये दश वाक्य संस्कृत में लिखो ।

Class 7 Holiday Home Work (Mathematics)

- The reciprocal of a positive rational number is _____.
(a) negative (b) positive (c) zero (d) none of these
- Associative property is not followed in _____.
(a) whole numbers (b) integers (c) natural numbers (d) division
- Write five rational numbers greater than -2
- The area of a rectangular sheet is 500 cm^2 . If the length of the sheet is 25 cm, what is its width? Also find the perimeter of the rectangular sheet.
- Anu wants to fence the garden in front of her house, on three sides with lengths 20 m, 12 m and 12 m. Find the cost of fencing at the rate of Rs 150 per metre.
- A wire is in the shape of a square of side 10 cm. If the wire is rebent into a rectangle of length 12 cm, find its breadth. Which encloses more area, the square or the rectangle?
- Find the area of a square, if its perimeter is 420 m.
- One of the sides and the corresponding height of a parallelogram are 4 cm and 3 cm respectively. Find the area of the parallelogram.
- What is the circumference of a circle of diameter 10 cm (Take $\pi = 3.14$)?
- What is the circumference of a circular disc of radius 14 cm?
- The radius of a circular pipe is 10 cm. What length of a tape is required to wrap once around the pipe ($\pi = 3.14$)?
- Diameter of a circular garden is 9.8 m. Find its area.
- A rectangular park is 45 m long and 30 m wide. A path 2.5 m wide is constructed outside the park. Find the area of the path.
- A path 5 m wide runs along inside a square park of side 100 m. Find the area of the path. Also find the cost of cementing it at the rate of Rs 250 per 10 m^2 .
- Two cross roads, each of width 5 m, run at right angles through the centre of a

rectangular park of length 70 m and breadth 45 m and parallel to its sides. Find the area of the roads. Also find the cost of constructing the roads at the rate of Rs 105 per m².

16. What are the coefficients of x in the expression $8 - x + y$?
 (a) 1 (b) -1 (c) 8 (d) none of these
17. What are the coefficients of y in the expression $4x - 3y$?
 (a) 4 (b) -3 (c) 3 (d) none of these
18. Write an expression : Raju's father's age is 5 years more than 3 times Raju's age . If Raju's age is x years , then father's age is
 (a) $3x+5$ (b) $5-3x$ (c) $3x-5$ (d) $15x$
19. The number of terms in $4p^2q - 3pq^2 + 5$ is
 (a) 7 (b) 3 (c) 1 (d) 4
21. Classify the following expressions as a monomial, a binomial or a trinomial:
 $a + b$, $ab + a + b$, $ab + a + b - 5$, xy , $xy + 5$, $5x^2 - x + 2$, $4pq - 3q + 5p$, 7 , $4m - 7n + 10$, $4mn + 7$.
22. Which of the following is an example of circle?
 a. a chair (b) a bottle cap (c) a cup (d) a table
23. The area of a circle is
 (a) $2\pi r$ (b) $2\pi r^2$ (c) πr^2 (d)

SOCIAL SCIENCE

Class VII-A

History

1. With reference to Baba Guru Nanak, what do the following terms mean?

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- (B) Dharmshala
- (C) Gurumukhi
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I. Nomadic Pastoralists

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(A) On the physical map of India mark the areas of influence of the following:

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III. Ramanuja

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VI. Shankara

(B) On the physical map of India mark the areas of of the following:

I. Bhils II. Gonds III. Nagas IV. Ahoms V. Gakkhars VI. Khokhars

VII. Kolis VIII. Marwars

Geography

1. Define the following terms:

I. Equatorial region

II. Delta

III. Tributaries

IV. Bromeliads

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Political science

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7. In a democracy the media has to be very responsible. Why?

8. Show the journey of the shirt from the cotton plant to the shopping mall. How many hands does it change?

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Note: Complete above assigned work in Note Book during winter break and submit after that till 15/01/2024.

पीएम श्री केन्द्रीय विद्यालय क्रमांक एक बी. इ. जी.एवम् सी, रुड़की
शीतकालीन अवकाश गृह कार्यम्
कक्षा- अष्टम 23-24

1. इष् धातोः धातुरूपाणि पञ्चलकारेषु लिखत -
(‘इष्’ (इच्छा करना) धातु के पांचों लकारों में रूप लिखो)
2. नकारान्त पुँल्लिङ्ग शब्द ‘राजन्’ इतस्य शब्दरूपाणि लिखत-
(नकारान्त पुँल्लिङ्ग शब्द ‘’ ‘राजन्’ शब्द के शब्दरूप लिखो)
3. एकपञ्चाशततः शतम् पर्यन्तं संस्कृत संख्या लिखत-
(51 से 100 तक की संख्या को संस्कृत में लिखो)
4. आर्यभट्टस्य विषये दश संस्कृतसरलवाक्यानि लिखत -

(आर्यभट्ट के बारे में दस सरल संस्कृत वाक्य लिखो)

5. पठित पाठों से क्त्वा , तुमुन् एवं ल्यप् प्रत्यय को चुनकर लिखो ।
6. अस्मद् एवं युष्मद् शब्द का शब्दरूप लिखो ।
7. नीति नवनीतम् पाठ के श्लोकों को लिखो व याद करो।
8. संस्कृत प्रतिज्ञा लिखत स्मरत च।
9. संस्कृत प्रार्थना लिखत स्मरत च।
10. सावित्री बाई फूले सामाजिक कार्य वर्णनम् करोतु। किञ्चित् समाजसुधारका नामानि लिखत।
(सावित्री बाई फूले द्वारा किए गए सामाजिक कार्यों का वर्णन करिए तथा कुछ समाजसुधारकों के नाम लिखिए।)

11. छात्र दैनंदिनी (लर्नस डायरी) पाठ सप्तभगिन्यः से लेकर सावित्री बाई फुले तक पूर्ण करें ।
सूचना: प्रश्न 1 से 9 तक का कार्य अपनी संस्कृत नोट बुक में ही करें और प्रश्न 10. छात्र दैनंदिनी (लर्नस डायरी) अपनी पूर्व वाली छात्र दैनंदिनी नोट बुक में ही आगे लिखें।

परियोजना कार्य: पर्यावरण विषये स्वविचारं संस्कृत भाषायां दश वाक्येषु लिखत , चित्रं ए4 पत्रे /चार्ट निर्मितं

(पर्यावरण के विषय में अपने विचार संस्कृत भाषा में 10 वाक्यों में लिखें, A4 sheet या चार्ट में बनाएं।)

CLASS 8

WINTER BREAK HOLIDAY

HOME WORK

CH 9. REPRODUCTION IN ANIMALS

1. **The number of modes by which animals reproduce are**
 - (a) two
 - (b) three
 - (c) four
 - (d) none of these

2. Binary fission is observed in
 - (a) Hydra
 - (b) yeast
 - (c) Amoeba
 - (d) human being

3. In Hydra, the mode of reproduction is
 - (a) asexual
 - (b) sexual
 - (c) both (a) and (b)
 - (d) none of these

4. The animals that produce new young ones are called
 - (a) viviparous
 - (b) oviparous
 - (c) both
 - (d) none of these

5. In humans, the development of fertilised egg takes place in the
 - (a) ovary
 - (b) oviduct
 - (c) testis
 - (d) uterus

6. What do you mean by metamorphosis? How does metamorphosis take place in frog? Explain with a diagram.
7. What is budding? Explain with a diagram
8. Explain how Amoeba reproduce? Explain with a diagram

CH 10. REACHING THE AGE OF ADOLESCENCE

1. Why do boys have a hoarse voice at puberty?
2. What are secondary sexual characters?
3. Mention different types of glands, their functions and hormones secreted by them.
4. Explain sex determination in human. Draw diagram also.
5. Activity: Collect newspaper cuttings and information in magazines about HIV/AIDS. Write a one page article of 15 to 20 sentences on HIV/AIDS.

6. Fill in the blanks with suitable word/s.

- i) _____ means to grow into maturity.
- ii) Children gain height during_____.
- iii) The boys and girls passing through the adolescence period are called _____ or _____.
- iv) During puberty, a change in voice takes place due to the increase in the size of _____ or _____.
- v) The stage when the menstrual cycle stops is called_____.
- vi) The _____gland helps in controlling the production of both testosterone and estrogen hormones.
- vii) Diabetes is caused due to the deficiency of _____in the body.
- viii) _____is caused due to deficiency of thyroxine hormone.
- ix) Endocrine glands are also called _____glands.
- x) _____secretes male sex hormones.

CH 13. SOUND

1. Match the following

Match the items given in column I suitably with those given in column II.

Column I	Column II
1. Audible frequencies	(a) 10 dB
2. Length of vocal cords in man	(b) 30 dB
3. Ultrasound	(c) 20 mm long
4. Normal breathing	(d) 20 to 20,000 Hz
5. Soft whisper (At 5 m)	(e) Hertz
6. Frequency	(f) Percussion instrument
7. Unpleasant sound	(g) Music
8. Pitch	(h) Produced by bats
9. Tabla	(i) Noise
10. Pleasant sound	(j) Higher frequency

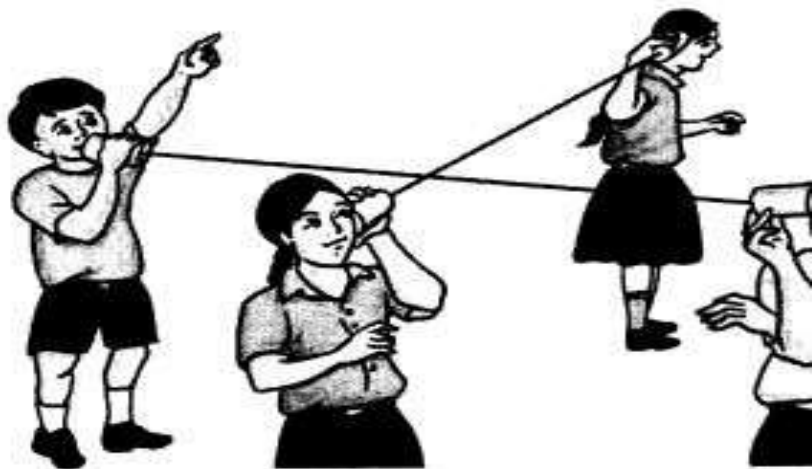
2. Sound is a kind of

- (a) work
- (b) energy
- (c) force
- (d) pressure

3. The hearing range of human ear is

- (a) 20 Hz to 20,000 Hz
- (b) less than 20 Hz
- (c) more than 20,000 Hz
- (d) 20 Hz to 25,000 Hz

4. Pitch of sound is determined by its
- (a) frequency
 - (b) speed
 - (c) amplitude
 - (d) loudness
5. 1 hertz is equal to
- (a) 1 vibration per minute
 - (b) 10 vibrations per minute
 - (c) 60 vibrations per minute
 - (d) 600 vibrations per minute
6. How is sound produced and how is it transmitted and heard by us?
7. Activity: Make two toy telephones. Use them as shown in Fig. 13.14. Make sure that the two strings are taut and touch each other. Let one of you speak. Can the remaining three persons hear? Explain your observations.



► Fig. 13.14

8. Activity: Prepare a list of famous Indian musicians and the instruments they play.

CH 14 CHEMICAL EFFECTS OF ELECTRIC CURRENT

Multiple Choice Questions (MCQs)

Choose the
correct
option.

Question 1.

Which of the following is a bad conductor of electricity?

- (a) Distilled water
- (b) Silver nitrate
- (c) Sulphuric acid
- (d) Copper sulphate

Question 2.

Which of the following does not conduct electricity?

- (a) Sugar solution
- (b) Vinegar solution
- (c) Lemon juice solution
- (d) Caustic soda solution
- (e)

Question 3.

An electric current can produce

- (a) heating effect
- (b) chemical effect

- (c) magnetic effect
- (d) all of these

Question 4.

Pure or distilled water is a

- (a) poor conductor
- (b) good conductor
- (c) both (a) and (b)
- (d) none of these

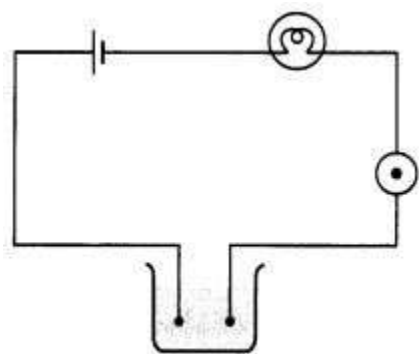
Question 5.

Which of the following is a good conductor?

- (a) Brick
- (b) Steel
- (c) Plastic
- (d) Cotton

6. Yakub made an circuit as shown in the figure. He observed that the bulb did not glow but on bringing a compass needle near it shows deflection.

He was quite confused that if current is flowing through the circuit then why the bulb is not glowing. Meanwhile his friend Sourav arrived and suggested him to add one more cell in the circuit. The bulb, then started glowing.



► Fig. 14.10

- (a) Define a circuit.
 - (b) What does the deflection of a compass needle shows?
 - (c) Why the bulb did not glow in the first case but glow in the second case?
 - (d) What value of Sourav is shown here?
7. What happens when an electric current is passed through a cut potato for a considerable time?
 8. How does a bulb glow in liquid? Explain.

WINTER BREAK HOLIDAY HOMEWORK (2023-24)

SOCIAL SCIENCE

Class VII-B

History

1. With reference to Baba Guru Nanak, what do the following terms means?

- (A) Langar
- (B) Dharmsal
- (C) Gurumukhi
- (D) Guru Granth Sahib
- (E) Khalsa Panth
- (F) Nam Japna
- (G) Kirt Karna

2. Write one or two sentences about the following:

I. Nomadic Pastoralists

II. Bhils

III. Banjaras

IV. Shifting cultivation

V. Paiks

3. What were tribes? Discuss their way of life.

4. List six features of the administrative system of the Gonds.

5. Compare the philosophy and Bhakti of Shankara and Ramanuja

6. Hindus and Muslims, both followed the teachings of Kabir . Why?

7. Write an article for your school bulletin board on Teachings of Baba Guru Nanak

8. Map skill:

(A) On the physical map of India mark the areas of influence of the following:

I. Mirabai

II. Namdev

III. Ramanuja

IV. Guru Nanak

V. Kabir

VI. Shankara

(B) On the physical map of India mark the areas of of the following:

- | | | | | |
|------------|---------------|------------|-----------|----|
| I. Bhils | II. Gonds | III. Nagas | IV. Ahoms | V. |
| Gakkhars | VI. Khokhars | | | |
| VII. Kolis | VIII. Marwars | | | |

Geography

1. Define the following terms:

I. Equatorial region

II. Delta

III. Tributaries

IV. Bromeliads

V. Rainforest

VI. Slash and Burn agriculture

VII. Maloca

VIII. Terrace Farming

2. Distinguish between them:

I. Waves and Tides

II. Warm Currents and Cold Currents

3. Name the Oceans of the world and locate & label them on the World map also.

4. Why do so many countries face water scarcity?

5. Why are the plains of the Ganga-Brahmaputra basin densely populated?

6. How are the rivers being polluted?

7. What causes high and low tides? How are high tides useful?

8. Map skill:

(A) On the outline map of the world mark and label the following seas, Lakes and rivers:

I. Mediterranean Sea II. Dead Sea III. Lake Victoria IV. River Nile

V. River Congo VI. River Darling VII. River Ganga VIII. Arabian Sea IX. Amazon River

(B) On the political map of world mark the countries through which the equator passes.

(C) On the Political map of India locate the following:

I. Mumbai-Pune Industrial region II. Bagalore -Tamilnadu Industrial region

III. Jamshedpur IV. Ahmedabad V. Bhopal

(D) On the Political map of India show the states covered in the Ganga Brahmaputra Basin.

Political science

1. Define the following terms:

- I. Media II. Electronic Media III. Print Media IV. Internet
V. Broadcast
VI. Censor VII. Public protest VIII. Campaign IX. Public rallies
X. Adivasi

2. Imagine you are from the press and asked to cover your school annual day. Write a short news items for the newspaper.

3. What is the contribution of Rashsundari Devi in creating awareness towards women?

4. 8th March is important for women. Why?

5. What do you understand by the term ‘Women’s Movement’?

6. List two advantages of the following:

I. Weekly market

II. Neighbourhood shops

III. Chain of markets

IV. Wholesale markets

7. In a democracy the media has to be very responsible. Why?

8. Show the journey of the shirt from the cotton plant to the shopping mall. How many hands does it change?

Note: Student should revise/reiterate all lessons of PERIODIC TEST-2 with written practice

Note: Complete above assigned work in Note Book during winter break and submit after that till 15/01/2024.

WINTER BREAK HOLIDAY HOMEWORK (2023-24)

SOCIAL SCIENCE

Class VIII-A

History

1. What social ideas did the following people support?
Write a short note on that.

- (A) Ram Mohan Roy
- (B) Dayanand Saraswati
- (C) Jyotiba phule
- (D) Ishwar Chandra Vidyasagar
- (E) Swami Vivekanand
- (F) E. V. Ramaswamy Naicker or Periyar
- (G) B.R. Ambedkar
- (H) Pandita Ramabai
- (I) Rokeya S. Hossain

2. Name some of the important leaders of the Revolt of 1857. Discuss their contributions in brief.

3. How did the knowledge of ancient texts help the reformers formate new laws?

4. Why did Phule decided his book “Gulamgiri” to the American movement to free slaves?

5. Write a short note on the Aligarh Movement.

6. Write an article for your school bulletin board on Mahatma Gandhi’s view on English education.

7. Who were Lal, Bal and Pal ? Why did they criticise the Moderates?

8. Map skill:

(A) On the Political map of India locate the following:

I. Jhansi II. Lucknow III. Meerut IV. Barrackpore
V. Kanpur VI. Bareilly

VII. Amritsar VIII. Bombay IX. Dacca X.
Chauri-Chaura(up) XI. Culcutta

Activity questions

1. Make a file and write the important factor which is affected the location of industries.

2. Make a file to identify the iron and steel company work in India.

3. Cotton textile industry is mainly concentrated in Mumbai and Ahmadabad – Give reasons.

4. Compare and Contrast the information technology industry in Bengaluru and California.

5. Differentiate between:

(a) Agro based Industries and Mineral based Industries

(b) Small scale Industries and Large scale Industries

(c) Public sector Industries and Private sector Industries

6. Suggest four measures to reduce the risk of industrial accidents.

7. Find out about ‘**World Water Day**’, ‘**World Forestry Day**’ and ‘**World Environment Day**’.

8. Map skill:

(A) On the outline map of the world locate the following:

I. Osaka II. Pittsburgh III. California IV. One Industrial region of Europe

(B) On the Political map of India locate the following:

- I. Mumbai-Pune Industrial region II. Bagalore -
Tamilnadu Industrial region
- III. Jamshedpur IV. Ahmedabad V. Bhopal

Political science

1. Collect information from news paper and make a collage about women violence and what actions do by government stop this violence.
2. Describe the roles of Police, Public prosecutors, defence lawyer, Judge in our criminal justice system.
3. Write a paragraph on “Bhopal Gas Tragedy.”
4. Why were large states and empires dependent on Adivasis for forest resources?
5. What did Justice Rajinder Sachar committee examine and what was the outcome?
6. What did the Scheduled Tribes and other Traditional Forest Dwellers act 2006 state?
7. How does the reservation policy work? Discuss its important role in providing social justice to Dalits and Adivasis?
8. **Map skill:**

On the political map of Indian mark the major areas where Adivasis are found in large numbers.

Note: Student should revise/reiterate all lessons of PERIODIC TEST-2 with written practice

Note: Complete above assigned work in Note Book during winter break and submit after that till 15/01/2024.

केन्द्रीय विद्यालय न 1 रुड़की

शीत कालीन गृह कार्य 2023-24

कक्षा -आठवीं

विषय हिन्दी

प्रश्न-1 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

कबीर दास जी ने समाज में रह कर समाज का बड़े समीप से निरीक्षण किया । समाज में फैले भेदभाव, साम्प्रदायिकता आदि का उन्होंने पुष्ट प्रणाम देकर ऐसा दृढ़ विरोध किया । इनके अकाट्य तर्कों को काटने की किसी दूसरे में हिम्मत भी नहीं थी । कबीर दास जी का व्यक्तित्व इतना ऊँचा था कि उनके सामने टिकने की किसी में हिम्मत नहीं थी । इस प्रकार उन्होंने समाज की तथा धर्म की बुराईयों को निकाल कर सबके सामने रखा । ऊँचा नाम रखकर

समाज को ठगने वालों के नकली चेहरों को सबको दिखाया और दीन-दलितों को ऊपर उठने का उपदेश देकर अपने व्यक्तित्व को सुधारकर सबके सामने एक महान आदर्श प्रस्तुत किया । कबीर दास जी ने कर्म,सेवा,अहिंसा तथा निर्गुण मार्ग का प्रसार किया । और समाज में फैले कर्मकांड,मूर्तिपूजा का विरोध किया ।

(क) कबीर दास जी ने किसका निरीक्षण किया ?

(ख) कबीर दास जी ने किसका विरोध किया ?

(ग) कबीर दास जी के सामने कोई क्यों नहीं टिक पाता था ?

प्रश्न2 . अपनी पाठ्य पुस्तक वसंत के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए-
‘विपत्ति के समय सच्चे मित्र की पहचान होती है।’ उपरोक्त कहावत के अर्थ को चरितार्थ करते हुए सच्चे मित्र का आपके जीवन में क्या महत्व है? इस पर **150** शब्दों में अपने विचार लिखें। सच्चे मित्र से संबंधित कुछ दोहे एवं साखियाँ लिखें।

प्रश्न 3. ‘भारत की खोज’ पुस्तक के आधार पर ‘अंतिम दौर- एक, दो,तनाव’ पाठ को पढ़कर 20 प्रश्न -उत्तर लिखें।

प्रश्न-4 भाषा की बात -

(i) मिलान करें -

नाजुक	व्यक्तिवाचक संज्ञा
बदलू	भाववाचक संज्ञा

कक्षा जातिवाचक संज्ञा

आदमी समूहवाचक संज्ञा

(ii)

1. “काली बकरी ” में विशेषण शब्द छाँटकर लिखिए ।
2. संज्ञा के भेद कितने होते हैं ? उनका नाम लिखिए ।
3. “मुझे कुछ आम दे दीजिए । वाक्य में कौन-सा विशेषण है ?
4. श्रीकृष्ण, पानी, आग , रात, आकाश शब्द के दो-दो पर्यायवाची लिखिए ।
5. विशेषण किसे कहते हैं उसके भेदों का वर्णन कीजिए ।

प्रश्न-5 अनुच्छेद लिखें- जीवन में योग का महत्त्व, स्वच्छता का जीवन में महत्व

प्रश्न-6 विद्यालय में खेल सामग्री मंगवाने हेतु प्रधानाचार्य जी को एक प्रार्थना पत्र लिखिए।

प्रश्न-8 अपने मित्र राघव को जन्मदिन की बधाई देते हुए बधाई पत्र लिखिए।

प्रश्न-9 ‘सुदामा चरित’ से लेकर ‘पानी की कहानी’ पाठ तक के सभी प्रश्न उत्तरों को याद करें ।

WINTER BREAK HOLIDAYS HOMEWORK
(2023-24)

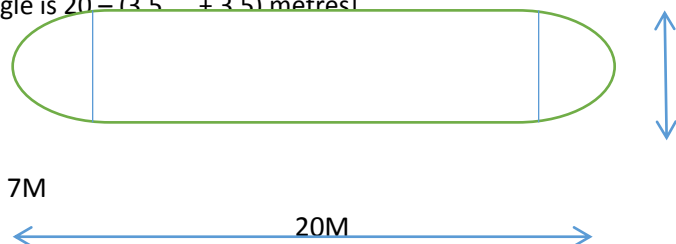
Class VIII

MATHS

- Revise the chapter related to PT -2

Solve all the following questions in Maths Fair Notebook neatly and properly :

Q1 The shape of a garden is rectangular in the middle and semi circular at the ends as shown in the diagram. Find the area and the perimeter of this garden [Length of rectangle is $20 - (3.5 + 3.5)$ metres]



Q2 Find the area of a rhombus whose side is 5 cm and whose altitude is 4.8 cm. If one of its diagonals is 8 cm long, find the length of the other diagonal.

Q3 The floor of a building consists of 3000 tiles which are rhombus shaped and each of its diagonals are 45 cm and 30 cm in length. Find the total cost of polishing the floor, if the cost per m^2 is RS.4.

Q4 Find the side of a cube whose surface area is 600 cm^2

Q5 The lateral surface area of a hollow cylinder is 4224 cm^2 . It is cut along its height and formed a rectangular sheet of width 33 cm. Find the perimeter of rectangular sheet?

Q6 Find the height of a cuboid whose base area is 180 cm^2 and volume is 900 cm^3 ?

Q7 A cuboid is of dimensions 60 cm × 54 cm × 30 cm. How many small cubes with side 6 cm can be placed in the given cuboid?

Q8 Find the value of m for which $5^m \div 5^{-3} = 5^5$.

Q9 Express the following numbers in usual form.

(i) 3.02×10^{-6}

(ii) 4.5×10^4

(iii) 3×10^{-8}

**P.M. Shri Kendriya Vidyalaya NO1
ROORKEE**

कक्षा- IX शीतकालीन अवकाश अवकाश गृह कार्य
Class - IX Winter Break Holiday Home Work

Q.1	Prepare a comprehensive report on Disaster Management, take paper (A4-Size). Analyze two recent natural calamities that transpired in India within the last two years. Explore and discuss the strategies and initiatives undertaken by India to safeguard lives during these incidents.	Q.1 आपदा प्रबंधन पर पृष्ठ(A4-Size) की एक व्यापक रिपोर्ट तैयार करें। पिछले दो वर्षों के भीतर भारत में घटित दो हालिया प्राकृतिक आपदाओं का विश्लेषण करें। इन घटनाओं के दौरान जीवन की सुरक्षा के लिए भारत द्वारा की गई रणनीतियों और पहलों का अन्वेषण
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Note: Follow the points below to design your effective and interesting project.

- 1). Report Outline:
- 2). Introduction
- 3). Define Disaster Management and its significance.
- 4). Types of Disasters
- 5). Categorize disasters into natural and man-made.
- 6). Disaster Management Framework in India
- 7). Explore the role of National Disaster Management Authority (NDMA) and State Disaster Management Authorities (SDMAs).

Case Study 1:

*Describe the affected areas and communities.

*Evaluate India's rescue operations, evacuation measures, and post-disaster rehabilitation initiatives.

*Role of Technology in Disaster Management

*Examine the application of technology in early warning systems and GIS.

*Community Engagement and Capacity Building

*Emphasize the importance of public awareness and training programs.

करें और चर्चा करें।

Note: अपने प्रभावी और दिलचस्प प्रोजेक्ट को डिज़ाइन करने के लिए नीचे दिए गए बिंदुओं का पालन करें।

- 1). रिपोर्ट रूपरेखा:
- 2). परिचय
- 3). आपदा प्रबंधन को परिभाषित करें और इसका महत्व।
- 4). आपदाओं के प्रकार
- 5). आपदाओं को प्राकृतिक और मानव निर्मित में वर्गीकृत करें।
- 6). भारत में आपदा प्रबंधन ढांचा
- 7). राष्ट्रीय आपदा प्रबंधन प्राधिकरण (एनडीएमए) और राज्य आपदा प्रबंधन प्राधिकरण (एसडीएमए) की भूमिका का अन्वेषण करें।

केस स्टडी 1:

*प्रभावित क्षेत्रों और समुदायों का वर्णन करें।

*भारत के बचाव कार्यों, निकासी उपायों और आपदा के बाद पुनर्वास पहलों का मूल्यांकन करें।

*आपदा प्रबंधन में प्रौद्योगिकी की भूमिका

*प्रारंभिक चेतावनी प्रणालियों और

<p>*International Collaboration in Disaster Management</p> <p>*Showcase instances of successful international collaborations and their impact.</p> <p>*Challenges and Opportunities</p> <p>*Future Outlook and Recommendations</p> <p>***Conclusion</p> <p>Summarize key findings and emphasize the importance of ongoing efforts in disaster management</p>	<p>जीआईएस में प्रौद्योगिकी के अनुप्रयोग की जांच करें।</p> <p>*सामुदायिक जुड़ाव और क्षमता निर्माण</p> <p>*सार्वजनिक जागरूकता और प्रशिक्षण कार्यक्रमों के महत्व पर जोर दें।</p> <p>*आपदा प्रबंधन में अंतर्राष्ट्रीय सहयोग</p> <p>*सफल अंतर्राष्ट्रीय सहयोग और उनके प्रभाव के उदाहरण प्रदर्शित करें।</p> <p>*चुनौतियाँ और अवसर</p> <p>*भविष्य का दृष्टिकोण और सिफारिशें</p> <p>***निष्कर्ष</p> <p>मुख्य निष्कर्षों का सारांश प्रस्तुत करें और आपदा प्रबंधन में चल रहे प्रयासों के महत्व पर जोर दें ।</p>
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Write answers to the following questions in your copy in about 300 words.

निम्नलिखित प्रश्नों के उत्तर अपनी कॉपी में लगभग 300 शब्दों में लिखें।

<p>Q.2 Examine the impact of colonialism on forest societies during the historical period. Discuss the changes in land use, resource management, and the social structure of forest communities as a result of colonial policies. Illustrate with specific examples and</p>	<p>Q.2 ऐतिहासिक काल के दौरान वन समाजों पर उपनिवेशवाद के प्रभाव का परीक्षण करें। औपनिवेशिक नीतियों के परिणामस्वरूप भूमि उपयोग, संसाधन प्रबंधन और वन समुदायों की सामाजिक संरचना</p>
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	evaluate the long-term consequences of colonial interventions on forest societies.	में परिवर्तन पर चर्चा करें। विशिष्ट उदाहरणों के साथ व्याख्या करें और वन समाजों पर औपनिवेशिक हस्तक्षेप के दीर्घकालिक परिणामों का मूल्यांकन करें।
Q.3	Explore the implications of climate change on a specific region of your choice. Analyze the environmental, social, and economic effects of climate change in that region. Discuss the role of human activities and propose sustainable measures to mitigate the impact.	Q.3 अपनी पसंद के किसी विशिष्ट क्षेत्र पर जलवायु परिवर्तन के प्रभावों का पता लगाएं। उस क्षेत्र में जलवायु परिवर्तन के पर्यावरणीय, सामाजिक और आर्थिक प्रभावों का विश्लेषण करें। मानवीय गतिविधियों की भूमिका पर चर्चा करें और प्रभाव को कम करने के लिए स्थायी उपाय प्रस्तावित करें।
Q.4	Investigate the role of money and media in influencing electoral politics. Examine how these factors shape public opinion, candidate selection, and election outcomes. Discuss the challenges posed by the increasing role of money and media in the	Q.4 चुनावी राजनीति को प्रभावित करने में धन और मीडिया की भूमिका की जाँच करें। जांच करें कि ये कारक जनता की राय, उम्मीदवार चयन और चुनाव परिणामों को कैसे आकार देते हैं। लोकतांत्रिक प्रक्रिया में धन और

	democratic process and suggest possible reforms.	मीडिया की बढ़ती भूमिका से उत्पन्न चुनौतियों पर चर्चा करें और संभावित सुधारों का सुझाव दें।
Q.5	Assess the multidimensional aspects of poverty in a developing country. Analyze the factors contributing to poverty, such as economic policies, social inequality, and lack of access to education and healthcare. Propose effective strategies and policies that can address and alleviate poverty in the selected country.	Q. 5 एक विकासशील देश में गरीबी के बहुआयामी पहलुओं का आकलन करें। गरीबी में योगदान देने वाले कारकों का विश्लेषण करें, जैसे आर्थिक नीतियां, सामाजिक असमानता और शिक्षा और स्वास्थ्य देखभाल तक पहुंच की कमी। प्रभावी रणनीतियों और नीतियों का प्रस्ताव करें जो चयनित देश में गरीबी को संबोधित और कम कर सकें।

20 Two children are at opposite ends of an aluminium rod with a stone. Find the ratio of times taken by the sound to reach the second child.

21 A stone is dropped from the top of a tower 500 m high into a pool. When is the splash heard at the top? Given, $g = 10 \text{ m s}^{-2}$

22 A sound wave travels at a speed of 339 m s^{-1} . If its wavelength is 1.5 m, find the frequency of the wave? Will it be audible?

Kendriya Vidyalaya No 1 Roorkee
Winter break Holiday Homework
Sub: Science

Class IX.

- 1 Define 1J of work.
- 2 What is the kinetic energy of an object
- 3 A pair of bullocks exerts a force of 140 N on a plough. The field being ploughed is 15 m long. How much work is done in ploughing the length of the field?
- 4 Derive an expression for the kinetic energy $m v^2$ of an object.
- 5 What is kinetic and potential energy?
- 6 The kinetic energy of an object of mass, m moving with a velocity of 5 ms^{-1} is 25 J. What will be its kinetic energy when its velocity is doubled? What will be its kinetic energy when its velocity is increased three times?
- 7 Certain force acting on a 20 kg mass changes its velocity from 5 m s^{-1} to 2 m s^{-1} . Calculate the work done by the force
- 8 The potential energy of a freely falling object decreases progressively. Does this violate the law of conservation of energy? Why?
- 9 Define acceleration due to gravity. Derive an expression for acceleration due to gravity in terms of mass of the earth (M) and universal gravitational constant (G).
- 10 A force of 20 N acts upon a body whose weight is 9.8 N. What is the mass of the body and how much is its acceleration? Take $g = 9.8 \text{ m/s}^2$.
- 11 A stone dropped from the roof of a building takes 4s to reach the ground. Calculate the height of the building.
- 12 A ball is thrown up with a speed of 0.5 m/s .
 - (i) How high will it go before it begins to fall?
 - (ii) How long will it take to reach that height?
- 13 Importance of universal law of gravitation
- 14 Define terms – a) Free fall b) Mass and weight c) Buoyancy 4) Archimedes' principle
- 15 What happens to the force between two objects, if
 - (i) The mass of one object is doubled?
 - (ii) The distance between the objects is doubled and tripled?
 - (iii) The masses of both objects are doubled?
- 16 A ball thrown up vertically returns to the thrower after 6 s. Find
 - (a) the velocity with which it was thrown up,
 - (b) the maximum height it reaches, and
 - (c) its position after 4 s.
- 17 Define a) amplitude b) frequency c) time period d) loudness e) timbre f) Pitch g) reverberation
- 18 A person is listening to a tone of 500 Hz, sitting at a distance of 450 m from the source of the sound. What is the time interval between successive compressions from the source?
- 19 An echo is heard in 3 s. What is the distance of the reflecting surface from the source, given that the speed of sound is 342 ms^{-1} ?

20 Two children are at opposite ends of an aluminium rod. One strikes the end of the rod with a stone. Find the ratio of times taken by the sound wave in the air and in aluminium to reach the second child.

21 A stone is dropped from the top of a tower 500 m high into a pond of water at the base of the tower. When is the splash heard at the top? Given, $g = 10 \text{ m s}^{-2}$ and speed of sound $= 340 \text{ m s}^{-1}$.

22 A sound wave travels at a speed of 339 m s^{-1} . If its wavelength is 1.5 cm, what is the frequency of the wave? Will it be audible?

Winter break Holiday Homework

Class IX.

Sub: Science

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केन्द्रीय विद्यालय न 1 रूड़की

शीत कालीन गृह कार्य 2023-24

कक्षा -नवमी

विषय हिन्दी

प्रश्न-1 पांडिचेरी के किन्हीं 5 स्वतंत्रता संग्राम सेनानियों की परियोजना फ़ाइल बनाएँ, जिसमें इन सेनानियों की फ़ोटो, नाम, जन्म-

मृत्यु तिथि, महत्त्वपूर्ण कार्य/ स्वतंत्रता प्राप्ति हेतु सहयोग आदि का वर्णन हो। (A4 साइज़ पेपर में) ।

प्रश्न-2 समास किसे कहते हैं ? समास के प्रकारों को उदाहरण सहित परिभाषित कीजिए ।

प्रश्न-3 पेयजल संकट के निवारण के लिए जल निगम के अधिशासी अधिकारी को एक पत्र लिखिए । (औपचारिक पत्र)

प्रश्न-4 अपनी कालोनी की सफाई व्यवस्था हेतु नगर निगम के अधिशासी अधिकारी को एक ई-मेल लिखिए ।

प्रश्न-5 आप रोहित कुमार हो, अपने पिताजी को अपने कक्षा में प्रथम आने की सूचना देते हुए एक पत्र लिखिए । (अनौपचारिक पत्र)

प्रश्न-6 निम्नलिखित विषय पर लगभग 150 शब्दों में अनुच्छेद लिखिए :-

1. विद्यार्थी जीवन में अनुशासन ।
2. हिन्दी भाषा का महत्व

प्रश्न-7 कोई दो लघुकथा लिखें। (शब्द-सीमा 150-200 शब्द)

(संकेत :- चूहा और मोर, केदारनाथ यात्रा और आयुष, मेरे दोस्त का बैग, चालाक बंदर आदि।)

प्रश्न-8 महंगाई को लेकर मोहन और श्याम के बीच 100 शब्दों में संवाद लिखिए ।

सी.सी.टी. आधारित प्रश्न-

1.सालिम अली ने पर्यावरण संरक्षण के लिए कार्य किया | आप किस प्रकार पर्यावरण संरक्षण में सहयोग कर सकते ?

2. 'मेरे संग की औरते' पाठ के आधार पर अपनी कल्पना से लिखिए कि परदादी ने पतोहू के लिए पहले बच्चे के रूप में लड़की पैदा होने की मन्नत क्यों मांगी ?

प्रश्न-11 . 'प्रेम चन्द के फटे जूते' से लेकर 'मेघ आयेपाठ तक के ' सभीप्रश्न उत्तरों को याद करें |

आप सभी स्वस्थ रहें , मस्त रहें , खुश रहें , सीखते रहें , परेंट्स की सहायता करते रहें ।

बहुत-बहुत आशीर्वाद बेटा ।

Class 9 Holiday Home Work

SECTION A-(READING)-10 MARKS

Read the passage carefully and answer the questions that follow

A group of youths from Peddapuram town in Andhra Pradesh's East Godavari district launched a social media group called 'Mana Peddapuram' (Our Peddapuram), a few years ago. The idea was to discuss Issues affecting the town and act upon them. A few months ago, Naresh Pedireddi, who has been behind the group came up with the concept of 'rice-for-plastic'. The idea behind the exchange was to encourage people to part with their non-biodegradable waste in large numbers. "The slogan we promoted was 'Avoid Plastic-Avoid Hunger'. We wanted to get rid of plastic and also feed the

hungry,” says Pedireddi, a Peddapuram-based entrepreneur. The programme was launched on Mahatma Gandhi’s 150th birth anniversary on 2 October. Within days, the group was able to collect around 400 kgs of plastic and an equal amount of rice and other materials were distributed during the drive. Now they plan to do it every Sunday. “The plastic that was collected was deposited at the local municipality office. They promised that it will be recycled,” says Pedireddi. For a town of around 70,000 people, the amount of plastic they collected through these drives is just a drop in the ocean. But the group says that they will continue to raise awareness among the residents of the town. “The most satisfying thing about this drive has been that it has inspired people in other towns of the district to launch such initiatives,” says Pedireddi. The Mana Peddapuram, besides raising civic issues like cleanliness, deforestation, and cultural events, has also run campaigns spreading awareness on blood donation and the pledging of organs. The group claims that funds are not a problem as the people in Peddapuram are generous when it comes to donating money for worthy causes. “We have hundreds of young people in this group and we hope to take up many more issues in the coming months and years,” says Pedireddi. We can only hope for many more such enthusiastic youth organizations that work for nation-building. Adaptation — V KUMARA SWAMY

Based on your understanding of the passage, answer the questions given below.

1 Social media group called ‘Mana Peddapuram’ was launched for.....

- (a) commercial purposes
- (b) keeping In contact with friends and relatives
- (c) creating a platform to discuss social issues
- (d) gaining popularity

2 The idea behind the concept of ‘rice-for-plastic’ was

- (a) helping the hungry people
- (b) collecting plastic to be sold at higher price

(c) helping the farmers (d) managing non-biodegradable waste

.....rice and other materials were distributed during the drive. (Para 2).

Which of the following sentences uses the word 'drive' similar in meaning to the one given in the above sentence?

(a) Mr. Gupta's son drives his car very sensibly.

(b) Too much cruelty to the workers can drive them to go on a strike.

(c) The supermarket is only a five minutes' drive away.

(d) Our school launched a drive to collect funds for the orphan children.

4 Arrange the following events in chronological order: I. the plastic is deposited at the municipality for recycling. II. 400 kg of plastic is collected. III. social media group called 'Mana Peddapuram' is launched. IV. equal amount of rice and other material is distributed. V. people from other areas also get inspired.

(a) III, II, I, V, IV

(b) III, II, IV, I, V

(c) IV, II, I, III, V

(d) V, II, I, IV, III

5 In the slogan 'Avoid Plastic, Avoid Hunger', how could the hunger be avoided?

(a) by keeping busy in social services

(b) by selling the non-biodegradable waste

(c) by distribution of rice

(d) all the above

6 Answer the following questions in one word or a sentence: 'a drop in the ocean' means.....

7 How much rice was donated during the drive?

8 What is the best suitable title for this passage?

9 Find out the antonym of 'selfish' in above passage? (Paragraph 5)

10 Which word in the passage is the synonym of “consciousness”? (Para 4)

Q2 SECTION B-(GRAMMAR)

Attempt ANY TEN of the following questions

I) Fill in the blank by choosing the correct option to complete an online update. The climate control comment by an activist on social media yesterday.
A. blow up B. blew up C. is blown D. will be blown II) Read the conversation between a doctor and his patient. Complete the sentence by reporting the patient’s reply correctly. Doctor: Do you feel down from time-to-time Mr. Gopalan? Patient: Yes, I do not stay in a good mood. The doctor, while trying to figure out his patient’s ailment, asked about his well-being, to which, the patient affirmed _____

III) Select the correct option to fill in the blank for the given line, from a health magazine. The advertisement read, ‘If you smoke, statistically your story_____ end 15% before it should’. A. must B. should C. will D. ought to IV) Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter: Subject: Request for Approval Dear Sir This is to respectfully submit that I _____

(seek) approval for organising a tree plantation drive to be undertaken by the club. V) Report the dialogue between a grandson and his grandfather, by completing the sentence: Grandson: Grandpa, who are your superheroes? Grandpa: Anyone who shows kindness and compassion to others. In response to the question about his superheroes, grandfather says that-----

----- VI) Identify the error in the given sentence, from a school magazine report and supply the correction. In order to balancing the sentiments of the Eagles and the Hawks, the Student Council suggested a rematch between the teams. Error _____

Correction _____ VII) Sunil shared some information, with Tariq, about a holiday at sea. Report Tariq’s question. Did you enjoy travelling by sea?

VIII) Fill in the blank by choosing the correct option, to complete the slogan by the Ministry for Child Welfare. _____ We Afford to neglect our children?

THINK TWICE!! A. WILL B. MAY C. NEED D. CAN

SECTION C – (WRITING AND LITERATURE)-24 MARKS Q3 Complete the story in 100-120 words with the clues given Give a title also (6 Marks) Suddenly it started raining and thunder rumbled. The animals frightened by the streaks of

lightning and the roar of thunder, broke loose and began to run.....Write a story using clues given above. OR You attended the wedding of your elder brother. Your friend living abroad has asked you to describe the ceremony to him/her. Write a paragraph on the event in about 100-120 words Hints-(Indian wedding-----involve many intricate ceremonies---mehndi----presentation of a gift---wedding vows----loud music and cheering-----costly dresses-----feast etc.)

Q4 Read the extract carefully and answer the questions that follow; (4 Marks)

‘So hack and chop, But this alone wont do it. Not so much pain will do it ,The bleeding bark will heal And from close to the ground, Will rise curled green twigs, Miniature boughs,

Which if unchked will expand again to former size’ I Which poetic device is used in the phrase, ‘bleeding bark’? II What does happen when a tree is cut with an axe? II Name the poem and poet this stanza has been taken from? IV What does regrowing of a hacked tree indicate? OR ‘I missed my old teachers so much that I would go back and visit them. They would encourage me to get involved in school activites so that I could meet newt people.’ I Why would the author visit them. II Which school is referred to here? III Find a word from the extract which means ‘persuage someone to do something by giving support and advice’. IV Who does ‘they’ refer to in the first sentence.

Q5 Attempt short answer type questions;

I Why was the Holy Man gave who gave Santosh’s mother his blessings surprised?

II What was the author doing when he got his cat back? Who was with him?

III What is Johnsy’s illness? What can cure her , the medicine or the willingness to live?

IV What is the theme of the poem ‘On Killing a Tree’?

V What qualities did APJ Abdul Kalam learn from his parents?

VI Why did the swallow want to go to Egypt?

- VII How did the Prince help the match girl?
- Viii What all did Abdul Kalam inherit from his parents?
- IX How did Abdul Kalam earn his 'first wages'?
- X What is the meaning of 'bleeding bark? What makes it bleed?
- XI Maria Sharapova is different from the other girls of her age. Justify the statement.
- XII Give an example to show that even as a young girl Santosh was not ready to accept anything unreasonable.

6 Attempt any one Long Answer Type question:

I Behrman was a great artist or a great human being. Make diary entry expressing your opinion about him. You can begin like this 1st January 2023
8 pm Today I read the lesson 'The Last Leaf' written by O.Henry.What a story!.....

li) Write a the character sketch of Maria Sharapova in your own words

i)You recently visited the Children's Park, a favourite place for all children, in your city. Write a description of the park in 100-150 words.

ii) One of your friends, Raman, is very gentle and polite to you. You regard him as your best friend. Describe him in 100-150 words.

2.STORY WRITING

Write a short story with the help of the cues given below. Give a suitable title to the story.i) You encountered two strange people. They were different from normal human beings but they were quite interesting and exciting. As Amit/Manisha, using your ideas, write a story in about 150-200 words narrating your experience with them.

II) Going to Mumbai by train to attend marriage of a friend got stuck in a traffic jam reached the railway station late boarded a wrong train realised after two hours now you ...

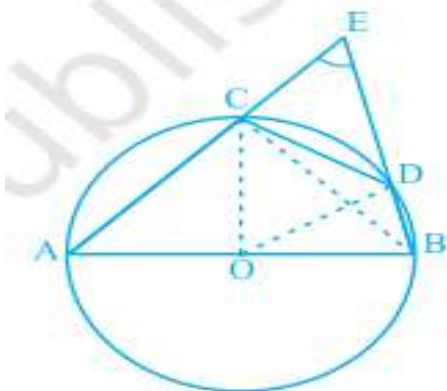
(Mathematics)

1. Find the value of a if $x + 6$ is a factor of $x^3 + 3x^2 + 4x + a$.
2. Without actually calculating, find the value of $(25)^3 - (75)^3 + (50)^3$.
3. Find the remainder obtained on dividing $p(x) = x^3 + 1$ by $x + 1$.
4. Prove that *"If two non parallel sides of a trapezium are equal, it is cyclic."*
5. Prove that *"Equal chords of a circle subtend equal angles at the centre"*.
6. Prove that *"The angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle."*
7. Find the area of a triangle whose sides are 35 cm, 45 cm and 50 cm.
8. Find the area of a triangle, two sides of which are 8 cm and 11 cm and the perimeter is 32 cm.
9. The sides of a triangular plot are in the ratio 3 : 5 : 7 and its perimeter is 300 m. Find its area.
10. Sides of a triangle are in the ratio of 12 : 17 : 25 and its perimeter is 540cm. Find its area.
11. Find the area of a right triangle in which the sides containing the right angle measure 20 cm and 15 cm.
12. The triangular side wall of a flyover have been used for advertisements. The sides of walls are 122 m, 22 m, 120 m . The advertisement yield an earning of Rs 5000 per sq m per year . A company hired one of its walls for 3 months. How much rent did it pay?
 - (i) What is the perimeter of the wall ?
 - (ii) Find the Area of the wall ?

(iii) A company hired one of its walls for 3 months. How much rent did it pay?

13. Three girls Reshma, Salma and Mandip are playing a game by standing on a circle of radius 5 m drawn in a park. Reshma throws a ball to Salma, Salma to Mandip, Mandip to Reshma. If the distance between Reshma and Salma and between Salma and Mandip is 6 m each, what is the distance between Reshma and Mandip?

14. In the given figure AB is the diameter of the circle, CD is chord equal to the radius of the circle. AC and BD when extended intersect at point E. Find $\angle AEB$.



15. All the angles of a quadrilateral are equal. What special name is given to this quadrilateral?

16. In $\triangle ABC$, $AB = 5$ cm, $BC = 8$ cm and $CA = 7$ cm. If D and E are respectively the mid-points of AB and BC, determine the length of DE.

17. Diagonals of a quadrilateral ABCD bisect each other. If $\angle A = 35^\circ$, determine $\angle B$.

18. Angles of a quadrilateral are in the ratio 3 : 4 : 4 : 7. Find all the angles of the quadrilateral.

19. If the diagonals of a parallelogram are equal, then show that it is a rectangle.

20. Prove that "The line segment joining the mid-points of two sides of a triangle is parallel to the third side and half of it".

CLASS XI

HOLIDAY HOME WORK SUBJECT- GEOGRAPHY

- I. Read all chapters from book I & book II of NCERT.
- II. Mark all the difficult words and write them in your notebook.
- III. Map (Kindly do all the parts in separate maps)
 - A) World map -
 - a. 7 continents
 - b. World oceans
 - c. Major & minor plates along with three boundaries
 - d. Major Earthquake and Volcanic zones.
 - B) India Map-
 - a. Rivers
 - c. Mountains
 - d. Neighboring countries
 - e. Vegetation
- IV. Answer the following questions:
 - Q1. Why India is known as a subcontinent?
 - Q2. Name the countries larger in area than India?
 - Q3. What do you understand by Dun?
 - Q4. Where is Bhabar land situated in India?
 - Q5. Write chief characteristics of Teri Belt.
 - Q6 Which River was known as the sorrow of Bengal?
 - Q7. Name the River which has the largest river basin in India?
 - Q8. Why is Godavari river often referred to as Dakshin Ganga?
 - Q9. State three main characteristics each of the Himalayan and the peninsular rivers.
 - Q10. Describe three main characteristics of Ganga drainage basin.

- Q11. Distinguish between Bangar and Khadar.
- Q12. Write a geographical account of location and size of India.
- Q13. With the help of suitable diagram, discuss the structure of the earth.
- Q14. What are Rocks? How is it different from Minerals?
- Q15. Briefly discuss the formation of three types of rocks. Give a self-explanatory diagram of rock cycle.
- Q16. What is weathering? Write a short note on the significance of this process.
- Q17. Discuss the soil formation. Enlist the factors controlling the formation of soils.
- Q18. Distinguish between Weather & Climate
- Q19. What do you mean by sea wave?
- Q20. What do you mean by ocean currents?
- Q21. What do you mean by ecosystem?
- Q22. How Food chain is different from Food Web?
- Q23. What do you mean by Bio-diversity?
- Q24. What do you mean by conservation of resources?
- Q25. Explain the geographical extent of India with respect to Latitudes, Longitudes & Areas.
- Q26. What is sub-continent? Name the states which are making India as sub-continent with respect to bordering countries.
- Q27. Explain the major characteristics of Northern plain of India.
- Q28. How the climate is different from weather?
- Q29. Explain the Mechanism of Indian Monsoon.
- Q30. State the three causes of Global warming.

- I. NCERT की पुस्तक के सभी पाठों को पढ़ें।
- II. सभी कठिन शब्दों को चिह्नित करें और उन्हें अपनी नोटबुक में लिखें।
- III. मानचित्र (कृपया सभी भागों को अलग-अलग मानचित्रों में करें)

ए) विश्व मानचित्र -

एक। 7 महाद्वीप

बी। विश्व महासागर

सी। तीन सीमाओं के साथ मेजर और माइनर प्लेट

डी। प्रमुख भूकंप और ज्वालामुखी क्षेत्र।

बी) भारत का नक्शा-

नदियाँ पहाड़ पड़ोसी देश वनस्पति

वी. निम्नलिखित प्रश्नों के उत्तर दें ।

Q1. भारत को उपमहाद्वीप के रूप में क्यों जाना जाता है?

प्रश्न 2. भारत से क्षेत्रफल में बड़े देशों के नाम बताएं?

Q3. इन से आप क्या समझते हैं ?

प्रश्न4. भाबर भूमि भारत में कहाँ स्थित है?

प्रश्न5. तेरी पट्टी की प्रमुख विशेषताएँ लिखिए।

Q6 किस नदी को बंगाल का शोक कहा जाता था?

प्रश्न7. उस नदी का नाम बताइए जिसका भारत में सबसे बड़ा नदी बेसिन है?

प्रश्न 8. गोदावरी नदी को अक्सर दक्षिण गंगा क्यों कहा जाता है?

प्रश्न 9. हिमालय और प्रायद्वीपीय नदियों में से प्रत्येक की तीन मुख्य विशेषताएँ बताइए।

Q10. गंगा जल निकासी बेसिन की तीन मुख्य विशेषताओं का वर्णन करें

Q11. बांगर और खादर के बीच अंतर करें।

प्रश्न12. भारत की स्थिति और आकार का भौगोलिक विवरण लिखिए।

प्रश्न13. उपयुक्त चित्र की सहायता से पृथ्वी की संरचना की विवेचना कीजिए।

प्रश्न14. चट्टानें क्या हैं? यह खनिजों से किस प्रकार भिन्न है?

प्रश्न15. तीन प्रकार की चट्टानों के बनने की संक्षेप में चर्चा कीजिए। का स्व-व्याख्यात्मक आरेख दीजिए

प्रश्न16. अपक्षय क्या है? इस प्रक्रिया के महत्व पर एक क्रमबद्ध टिप्पणी लिखिए।

प्रश्न17. मृदा निर्माण की विवेचना कीजिए। मृदा निर्माण को नियंत्रित करने वाले कारकों की सूची बनाइए।

प्रश्न18. मौसम और जलवायु में अंतर करें

प्रश्न19. समुद्र की लहर से आप क्या समझते हैं ?

प्रश्न20. महासागरीय धाराओं से आप क्या समझते हैं ?

प्रश्न 21. पारिस्थितिकी तंत्र से आप क्या समझते हैं ?

प्रश्न 22. फूड चेन फूड वेब से किस प्रकार भिन्न है?

प्रश्न 23. जैव-विविधता से आप क्या समझते हैं?

प्रश्न 24। संसाधनों के संरक्षण से आप क्या समझते हैं?

प्रश्न 25. अक्षांश, देशांतर और क्षेत्रों के संबंध में भारत की भौगोलिक सीमा की व्याख्या करें।

प्रश्न 26. उपमहाद्वीप क्या है? उन देशों के नाम बताइए जो भारत को उपमहाद्वीप बना रहे हैं

प्रश्न 27. भारत के उत्तरी मैदान की प्रमुख विशेषताओं की व्याख्या कीजिए।

प्रश्न 28. जलवायु मौसम से किस प्रकार भिन्न है?

प्रश्न 29। भारतीय मानसून की क्रियाविधि की व्याख्या कीजिए।

प्रश्न 30. ग्लोबल वार्मिंग के तीन कारण बताइए।

SUBJECT - MATHEMATICS

1 Marks Questions

1. Find the slope of the lines passing through the point (3,-2) and (-1,4)
2. Write the equation of the line through the points (1,-1) and (3,5).
3. Find the measure of the angle between the lines $x + y + 7 = 0$ and $x - y + 1 = 0$
4. Find the equation of a straight line parallel to y-axis and passing through the point (4,-2).
5. Find the coordinates of the foci of the ellipse $\Rightarrow x^2 + 4y^2 = 100$
6. Find the eccentricity of the hyperbola: $3x^2 - 2y^2 = 6$
7. Find the length of the latus rectum of the parabola $3y^2 = 8x$.
8. Find the coordinates of the foci of $\frac{x^2}{8} + \frac{y^2}{4} = 1$
9. Find the equation of the circle which touches the both axes in first quadrant and whose radius is a.
10. Find the equation of the circle which touches x-axis and whose centre is (1,2)

- 11. Find the equation of each of the following parabolas.**
 (i) Directrix, $x = 0$, focus at $(6, 0)$
 (ii) Vertex at $(0, 4)$, focus at $(0, 2)$
- 12. Find the equation of the circle which touches x-axis and whose centre is $(1, 2)$.**
- 13. If the latus rectum of an ellipse is equal to half of minor axis, then find its eccentricity.**
- 14. Find the coordinates of a point on the parabola $y^2 = 8x$ whose focal distance is 4**
- 15. If the distance between the foci of a hyperbola is 16 and its eccentricity is $\sqrt{2}$, then obtain the equation of the hyperbola.**
- 16. Assertion (A).** The equation of the line which makes equal intercepts on the axes and passes through the point $(2, 3)$ is $x + y = 5$.
Reason (R). The equation of the line with intercepts a and b on the axis is $\frac{x}{a} + \frac{y}{b} = 1$
- Both A and R are true and R is the correct explanation of A.
 - Both A and R are true but R is not correct explanation of A.
 - A is true but R is false
 - A is false but R is true
- 17. Find the distance of the point $(1, -2, 4)$ from x, y and z- axis.**

3 or 5 Marks Questions

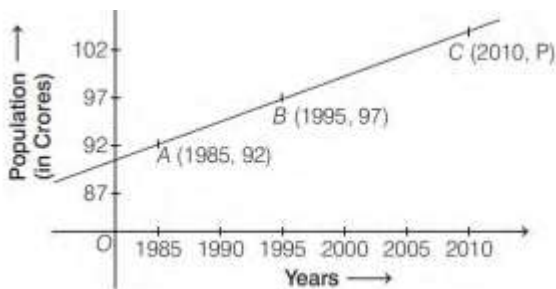
- If p is the length of the \perp from the origin on the line whose intercepts on the axes are a and b . show that $\frac{1}{p^2} = \frac{1}{a^2} + \frac{1}{b^2}$.
- Find the value of p so that the three lines $3x + y - 2 = 0$, $px + 2y - 3 = 0$ and $2x - y - 3 = 0$ may intersect at one point.

3. Find equation of the line passing through the point $(2,2)$ and cutting off intercepts on the axes whose sum is 9
4. Find the equations of the lines, which cut off intercepts on the axes whose sum and product are 1 and -6 respectively.
5. The slope of a line is double of the slope of another line. If tangent of the angle between them is $\frac{1}{3}$, find the slopes of the lines.
6. Point $R(h, k)$ divides a line segment between the axes in the ratio 1:2. Find equation of the line.
7. Find the equations of the lines which pass through the point $(4, 5)$ and make equal angles with the lines $5x - 12y + 6 = 0$ and $3x - 4y - 7 = 0$
8. Find the equation of a circle concentric with the circle $x^2 + y^2 - 6x + 12y + 15 = 0$ and has double of its area.
9. Find the equation of the circle which passes through the points $(2, 3)$ and $(4, 5)$ and the centre lies on the straight line $y - 4x + 3 = 0$.
10. Find the equation of each of the following parabolas.
 - (i) Directrix, $x = 0$, focus at $(6, 0)$
 - (ii) Vertex at $(0, 4)$, focus at $(0, 2)$
 - (iii) Focus at $(-1, -2)$, directrix $x - 2y + 3 = 0$
11. Find the coordinates of the foci, the vertices, the eccentricity and the length of the latus rectum of Hyperbola $49y^2 - 16x^2 = 784$.
12. Prove that the points $(0, -1, -7)$, $(2, 1, -9)$ and $(6, 5, -13)$ are collinear.
13. Find a point on ZX-plane which is equidistant from the points $(1, -1, 0)$, $(2, 1, 2)$ and $(3, 2, -1)$.

14. Are the points (3, 6, 9), (10, 20, 30) and (25, -41, 5) are the vertices of a right angled triangle?

15. CASE BASED QUESTION

Population Vs Year graph given below.



Based on the above information answer the following questions.

i) The slope of the line AB is
1m

- a) 2 b) 1 c) $\frac{1}{2}$
d) $\frac{1}{3}$

ii) The equation of line AB is
1m

- a) $x + 2y = 1791$ b) $x - 2y = 1801$ c) $x - 2y = 1791$
d) $x - 2y + 1801 = 0$

ii) The population in year 2010 is (in crores)
1m

- a) 104.5 b) 119.5 c) 109.5
d) None of these

iv) The equation of line perpendicular to AB and passing through ((1995,97) is 2m

a) $2x - y = 4087$

b) $2x + y = 4087$

c) $2x + y = 1801$

d) none of these

WINTER BREAK HOME-WORK

ENGLISH

1. You want to sell your car as you are going abroad. Draft a suitable classified advertisement in not more than 50 words to be published in classified columns of 'The Hindu'. Give necessary details of the car. You are Suman/Sushil, 21 Ram Nagar, Delhi.
2. You are B. Reddy of 18, Lad Masjid Road, Hyderabad. You have a building in the Akram Square suitable for housing office / bank / showroom, and it is, at present, vacant to be let out. Write out an advertisement in not more than 50 words to be published under 'To Let' in a local newspaper.
3. You are the General Manager of a leading industrial concern. You need a Chartered Accountant for your office. Draft an advertisement in not more than 50 words to be published in 'The Times of India', New Delhi, under the classified columns.
4. Recently you read in the newspaper an incident in which the children tried to imitate the stunts shown on television and embraced death. You have decided to write a speech on the hazards of television watching for kids. Write the speech to be delivered in the morning assembly of your school.
5. During his visit to the hilly areas of Himanchal Pradesh, Nandan Kumar/Nandini Kumari of Class XI K V No.1 Roorkee was moved at the large-scale deforestation. He/She felt perturbed at the arbitrary felling of trees and the dangerous

consequences of deforestation. He writes an article for publication in the newspaper on 'Harmful Consequences of Deforestation.' Write this article in not more than 200 words.

6. *Arrange the jumbled words to form meaningful sentences:*

- a. nutrients/ of the / one / most / of the / are / body / important / proteins
- b. structures / needed / and / life / all /for / they / are / essential / activities / of
- c. A fashion/has become/with/eating out/people/today/the
- d. By/cherished/home/cooked/food/no longer/the/youngsters/healthy/is

7. Read the following passage carefully:

Spiders are man's friends. The spiders are among our best friends. They destroy many harmful insects, including some of our worst enemies. These insects devour our crops, cause diseases both to us and to farm animals and torment our skins. Spiders do not have specific insects, which they prey on. They kill and eat whatever insects are available, though they do not usually prey on the large ones.

There are two main groups of spiders: the weaving spiders and the hunting spiders. These two groups differ in various ways. The weavers have bigger spinnerets (those parts of the body from which the silk come out) and their legs are generally much longer, with special claws at the end. The hunting spiders (which do not spin webs) have small spinnerets and strong thick legs. They have better eyesight than the weavers' sense of touch is more developed and they are highly evolved than the hunters.

The weavers do not take the trouble to hunt their prey; instead they set a trap and wait for the prey to get caught in it. This trap is, of course, the web, which is made from the spiders' silk. The silk is produced in glands in the back half of the body and pushed out through jets or nozzles called spinnerets. These can be moved in any direction, and they also control the quantity of silk that comes out which is liquid, when it comes out and hardens when it meets the air, though it remains sticky. This is very important for the spider, since the stickiness helps to prevent his prey from escaping. The spider itself, however, can run across the web, because it has a kind oil on its feet; which, therefore, do not stick to the web.

- a) Make notes of the contents of the passage you have read. Use abbreviations wherever necessary.
- b) Based on your notes, write a summary of the passage.

8. Read the following passage carefully:

The work of the heart can never be interrupted. The heart's job is to keep oxygen-rich blood flowing through the body. All the body's cells need a constant supply of oxygen, especially those in the brain. The brain cells live only four to five minutes after their oxygen is cut off, and death comes to the entire body.

The heart is a specialized muscle that serves as a pump. This pump is divided into four chambers connected by tiny doors called valves. The chambers work to keep the blood flowing round the body in a circle.

At the end of each circuit, veins carry the blood to the right atrium, the first of the four chambers. Its oxygen has been used up and it's on its

way back to the lung to pick up a fresh supply and give up the carbon dioxide it has accumulated. From the right atrium the blood flows through the tricuspid valve into the second chamber, the right ventricle. The right ventricle contracts when it is filled, pushing the blood through the pulmonary artery, which leads to the lungs. In the lungs blood gives up its carbon dioxide and picks up fresh oxygen. Then it travels to the third chamber, the left atrium. When this chamber is filled it forces the blood through the mitral valve to the left ventricle. From here it is pushed into a big blood vessel called aorta and sent round the body by way of arteries. Heart diseases can result from damage to the heart muscle, the valves or the pacemaker. If the muscle is damaged, the heart is unable to pump properly. If the valves are damaged, blood cannot flow normally and easily from one chamber to another, and if the pacemaker is defective, the contractions of the chamber will become uncoordinated.

Until the twentieth century, few doctors dared to touch the heart. In 1953, all this changed. After twenty years of work, Dr. John Gibbon of USA had developed a machine that could take over temporarily from the heart and lungs. Blood could be routed through the machine, bypassing the heart so that surgeons could work inside it and see what they were doing. The era of open-heart surgery had begun. In the operating theatre, it gives surgeons the chance to repair or replace a defective heart. Many patients have had plastic valves inserted in their hearts when their own was faulty. Many people are being kept alive with tiny battery-operated pacemakers; none of these repairs could have been made without the heart-lung machine. But valuable as it is to the surgeons, the heart-lung machine has certain limitations. It can be used only for a few hours at a time because its pumping gradually damages the blood cells.

- a) On the basis of your reading of the above passage make notes on it, using headings and subheadings. Also use

recognizable abbreviations wherever necessary (Minimum 4). Use a format you consider suitable. Supply an appropriate title.

- c) Write a summary of the above passage in about 80 words.
- 9. Attempt a character sketch of Dr. Andrew Manson
- 10. Briefly describe the journey of Nick Middleton from Ravu to Darchen.

KENDRIYA VIDYALAYA NO.1

ROORKEE

WINTER BREAK HOLIDAY

HOMEWORK

Assignment -1

Ch. Plant Growth and Development

SECTION -A

Q1. Why is plant growth generally indeterminate? Q2.

Define growth rate.

Q3. A farmer grows cucumber plants in his field. He wants to increase the number of female flowers in them which plant growth regulator can be applied to achieve this?

Q4. What does an overripe apple release which affects all other apples in the basket?

SECTION-B

Q1. Explain different phases of growth with the help of a diagram.

Q2. What is meant by the term development? Give sequence of the development process in a plant cell.

Q3. What is plasticity? Explain with an example.

Q4. What are auxins? Give important applications of auxins.

Q5. What is bolting?

SECTION-C

Q1. Describe briefly:

- (i) Arithmetic growth
- (ii) Geometric growth
- (iii) Sigmoid growth
- (iv) Absolute and relative growth rates.

Q2. Explain what is meant by the terms differentiation, dedifferentiation and redifferentiation.

Q3. Which one of the plant growth regulators would you use if you were asked to:

- (a) Induce rooting in a twig.
- (b) Quickly ripen a fruit.
- (c) Delay leaf senescence.
- (d) Induce growth in axillary buds.
- (e) 'bolt' a rosette plant.
- (f) Induce immediate stomatal closure in leaves.

ASSIGNMENT-2

Ch. Breathing and exchange of gases

1. Identify the types of respiratory organs in the following organisms.
a) Earthworm b) Insects c) Terrestrial organisms
2. What is partial pressure? Write down the partial pressure of oxygen and carbon dioxide at different parts involved in diffusion in comparison to those in atmosphere.
3. What is oxygen dissociation curve? Write its significance
4. "Cigarette smoking is injurious to health". Justify by giving an example of disease caused due to smoking.
5. How is respiration regulated in our body?

Ch. Respiration in plants

1. What are respiratory substrates?
2. Which are the organs for gaseous exchange in plants?
3. Give differences between aerobic & anaerobic respiration.
4. (a) Give schematic representation of glycolysis. (b) What are its end products? (c) How many ATP & NADH produced by it.
5. Explain fermentation in yeast.
6. What is oxidative decarboxylation? What happens to pyruvate immediately after the reaction? Name the enzyme involved in the reaction.
7. (a) Give schematic representation of Krebs's Cycle. (b) What is the net gain of NADH + H⁺ in the cycle? (c) What is the no. of CO₂ produced in it? (d) Give significance of TCA cycle.
8. What is oxidative phosphorylation? Describe the structure & role of F₀-F₁ particles in this process.
9. In tabular form calculate the total No. of ATP produced from one molecule of glucose during aerobic respiration.
10. Justify the statement. "Respiratory pathway – An amphibolic pathway."
11. What is respiratory quotient? Give R.Q. values for carbohydrate, fats, proteins & organic acids

Ch. Body fluid and circulation

Directions: In the following questions, a statement of assertion is followed by a statement of reason.

Mark the correct choice as:

(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.

- (b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
(c) If Assertion is true but Reason is false.
(d) If both Assertion and Reason are false.

1. Assertion: blood pressure is arterial blood pressure.
Reason: It is measured by sphygmomanometer.
2. Assertion: SAN is also called pacemaker.
Reason: SAN sets the pace of the activities of the heart.
3. Assertion: Leucocytes are also known as WBCs.
Reason: Leucocytes are colourless due to lack of haemoglobin.
4. Explain the erythroblastosis foetalis
5. Give a brief description on double circulation.
6. What is lub and dub?

WINTER BREAK HOLIDAY HOMEWORK (2023-24)

HISTORY

CLASS- XIC

1. Revision of all chapters (Chapter- 2,3,5,6,7 & 10)
2. Map skill: In notebook based on chapters (Chapter- 2,3,5,6,7 & 10)
3. Prepare 05-05 MCQs from each above mention chapters.
4. Students will read the **chapter -11 Paths to Modernisation** ,thoroughly and note key points in their note book also which will be provide you separately-

छात्र , **अध्याय- 11- 'आधुनिकीकरण के रास्ते'** को अच्छी तरह से पढ़ेंगे और अपनी नोटबुक में मुख्य बिंदुओं को नोट भी करेंगे, जो आपको अलग से उपलब्ध कराए जाएंगे-

Note: Student should revise/reiterate all lessons of PERIODIC TEST-2 with written practice

1. Prepare CBSE Project/Practical on any one among following topics:
 - Making and unmaking of Mesopotamia
 - Rise of Early Towns and Nature of Society
 - Social, Economic and Religious life of the Roman Empire
 - Paradigms of Greco-Roman civilization
 - Rise of Sultanates
 - Medieval church and Growth of towns
 - Critique of the industrialization in Britain
 - Relations and impacts of past crusades
 - Aspirations of women in the Renaissance period
 - Inventions and Technical Changes in 18th Century
 - Paths to Modernization of Japan / China
 - An in-depth study into “now and then” paradigm of Christianity

- Expansion of USA and Displacement of Native People
- Scientific Revolution and the origins of modern science
- An Exploratory study into Humanism
- Learning about global Sufism
- History of aborigines – America / Australia
- An exploratory study into the making of America

निम्नलिखित विषयों में से किसी एक पर सीबीएसई प्रोजेक्ट / प्रैक्टिकल तैयार करें:

- मेसोपोटामिया का निर्माण और विध्वंश
- प्रारम्भिक शहरों का उदय और समाज की प्रकृति
- रोमन साम्राज्य का सामाजिक, आर्थिक और धार्मिक जीवन
- ग्रीको-रोमन सभ्यता के प्रतिमान
- सल्तनत का उदय
- मध्यकालीन चर्च और शहरों का विकास
- ब्रिटेन में औद्योगिकीकरण की आलोचना
- पिछले धर्मयुद्ध के संबंध और प्रभाव
- नवजागरण काल में महिलाओं की आकांक्षाएँ
- 18 वीं शताब्दी में आविष्कार और तकनीकी परिवर्तन
- जापान / चीन के आधुनिकीकरण के लिए मार्ग
- ईसाई धर्म के "अब और फिर" प्रतिमान में गहराई से अध्ययन
- संयुक्त राज्य अमेरिका का विस्तार और मूल निवासियों का विस्थापन
- वैज्ञानिक क्रांति और आधुनिक विज्ञान की उत्पत्ति

- मानवतावाद में एक खोजपूर्ण अध्ययन
- वैश्विक सूफीवाद के बारे में सीखना
- आदिवासियों का इतिहास - अमेरिका / ऑस्ट्रेलिया
- अमेरिका के निर्माण में एक खोजपूर्ण अध्ययन

The marks will be allocated under the following heads:

1	Project Synopsis	2 Marks
2	Timeline/explanation and interpretation /Map work	5 Marks
3	Visual/overall presentation	4 Marks
4	Analysis/ Data/Statistical analysis	4 Marks
5	Bibliography	1 Mark
6	Viva	4 Marks
Total		20 Marks

> This project will be the part of annual assessment.

Note: Complete above assigned work during winter break and submit after that till 15/01/2024.

शरदकालीन अवकाश गृह – कार्य (फाइल का कार्य)

अनिवार्य कार्य : (पी०पी०टी० कम से कम 10 स्लाइड्स) केंद्र शासित प्रदेश पुदुचेरी (पुडुचेरी) की खान – पान , भाषा , संस्कृति , प्रमुख दर्शनीय (भ्रमण योग्य) स्थल , महान व्यक्तित्व के चित्र सहित हिंदी भाषा में वर्णन कीजिए । नोट : भाषा केवल हिंदी होनी चाहिए । स्लाइड को केवल एक पी०पी०टी० में संकलित करके फाइल का नाम हिंदी आधार अपने नाम , कक्षा – सेक्शन , अनुक्रमांक से संपादित करें ।

अभ्यास 1. आरोह और वितान पाठ्य पुस्तकों के सभी पढ़ाए गए पाठों - विदाई – संभाषण , गलता लोहा , रजनी , जामुन का पेड़ , भारत – माता , चंपा काले – काले अक्षर नहीं चिन्हती , गज़ल , वचन , सबसे खतरनाक , आओ मिलकर बचाएँ , राजस्थान की रजत बूँदें , आलो आँधारि पाठों के सारांश लिखिए ।

विदाई – संभाषण , गलता लोहा , रजनी , जामुन का पेड़ , भारत – माता , चंपा काले – काले अक्षर नहीं चिन्हती , गज़ल , वचन , सबसे खतरनाक , आओ मिलकर बचाएँ , राजस्थान की रजत बूँदें , आलो आँधारि

अभ्यास 2. आरोह पाठ्य पुस्तक के पढ़ाए गए पाठों - चंपा काले – काले अक्षर नहीं चिन्हती , गज़ल , वचन , सबसे खतरनाक , आओ मिलकर बचाएँ (कविताओं) से दो-दो काव्यांश और विदाई – संभाषण , गलता लोहा , रजनी , जामुन का पेड़ , भारत – माता से दो-दो गद्यांश और प्रत्येक पर 5 – 5 बहुविकल्पीय (MCQ) प्रश्नोत्तर

अभ्यास 3. वितान के राजस्थान की रजत बूँदें , आलो आँधारि से 10 बहुविकल्पीय प्रश्न बनाइए (प्रत्येक के चार – चार विकल्प सहित)

अभ्यास 4. कविताओं चंपा काले – काले अक्षर नहीं चिन्हती , गज़ल , वचन , सबसे खतरनाक , आओ मिलकर बचाएँ से दो – दो काव्यांश का भाव – सौंदर्य और शिल्प – सौंदर्य लिखिए ।

अभ्यास 5. निम्नलिखित उप-विषयों पर रचनात्मक लेख लिखिए

(क) मेरे विद्यालय में मनाया गया वार्षिक खेल दिवस (ख) परीक्षा पे चर्चा कार्यक्रम से विद्यार्थियों के उत्साह में वृद्धि

अभ्यास 6. कक्षा में लिखवाए गए दो अपठित गद्यांश और उन पर बहुविकल्पीय (MCQ) 10 – 10 प्रश्नोत्तर

अभ्यास 7. कक्षा में लिखवाए गए दो अपठित काव्यांश और उन पर बहुविकल्पीय (MCQ) 5 – 5 प्रश्नोत्तर

अभ्यास 8. पत्र – लेखन : किन्हीं दो उप – विषयों पर औपचारिक पत्र लेखन कीजिए

(पत्र के उपविषय स्वेच्छा से लिए जा सकते हैं)

अभ्यास 9. निम्नलिखित दो उप-विषयों पर आलेख लिखिए

(क) मेरा भारत महान (ख) मेरे जीवन का लक्ष्य

अभ्यास 10. कविता, कहानी और नाटक की रचना और तत्त्व पर तीनों विषयों की जानकारी देते हुए प्रत्येक पर एक – एक विस्तृत लेख लिखिए ।

नोट : समस्त कार्य फाइल में करके फाइल (हार्ड कॉपी) विद्यालय में 15-01-2024 तक अवश्य जमा करें । इस फाइल को बनाने के 5 अंक आपकी मुख्य वार्षिक परीक्षा में जुड़ेंगे ।

शरदकालीन अवकाश गृह – कार्य (फाइल का कार्य)

अभ्यास 1 . आरोह और वितान पाठ्य पुस्तकों के सभी पढ़ाए गए पाठों - कबीर के पद , मीरा के पद , घर की याद , नमक का दारोगा , मियाँ नसीरुद्दीन , अपू के साथ ढाई साल , भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर पाठों के सारांश लिखिए ।

अभ्यास 2 . आरोह और वितान पाठ्य पुस्तकों के पढ़ाए गए पाठों - कबीर के पद , मीरा के पद , घर की याद (कविताओं) से दो-दो काव्यांश और नमक का दारोगा , मियाँ नसीरुद्दीन , अपू के साथ ढाई साल से दो- दो गद्यांश और प्रत्येक पर 5 – 5 बहुविकल्पीय (MCQ) प्रश्नोत्तर

अभ्यास 3 . वितान के पाठ ‘आलो आंधारि’ से 10 बहुविकल्पीय प्रश्न बनाइए (प्रत्येक के चार – चार विकल्प सहित)

अभ्यास 4 . कविताओं कबीर के पद , मीरा के पद , घर की याद से दो – दो काव्यांश का भाव – सौंदर्य और शिल्प – सौंदर्य लिखिए ।

अभ्यास 5 . निम्नलिखित उप-विषयों पर रचनात्मक लेख लिखिए

(क) मेरे विद्यालय में मनाया गया गांधी जयंती दिवस (ख) हरिद्वार जनपद में त्रिस्तरीय पंचायत चुनाव

अभ्यास 6 . कोई दो अपठित गद्यांश और उन पर बहुविकल्पीय (MCQ) 10 – 10 प्रश्नोत्तर

अभ्यास 7 . कोई दो अपठित काव्यांश और उन पर बहुविकल्पीय (MCQ) 5 – 5 प्रश्नोत्तर

अभ्यास 8 . पत्र – लेखन : किन्हीं दो उप – विषयों पर औपचारिक पत्र लेखन कीजिए

अभ्यास 9 . निम्नलिखित दो उप-विषयों पर आलेख लिखिए

(क) रूस – यूक्रेन युद्ध का विश्व की अर्थव्यवस्था पर प्रभाव (ख) जल बचेगा , भविष्य बचेगा

अभ्यास 10 . निम्नलिखित दो उप-विषयों पर फीचर लिखिए

(क) गुम होता बचपन (ख) कहाँ गई मेरे आँगन की गौरैया ?

अभ्यास 15 . निम्नलिखित को परिभाषित कीजिए

संचारक (स्रोत) , प्राप्तकर्ता , कूटीकरण , कूटवाचन , संचार प्रतिक्रिया , शोर , अंतः वैयक्तिक संचार , अंतर वैयक्तिक संचार , समूह संचार , जनसंचार , लिखित संचार , मौखिक संचार , अमौखिक संचार , सांकेतिक संचार

नोट : समस्त कार्य फाइल में करके फाइल (हार्ड कॉपी) विद्यालय में 15/10/2022 तक अवश्य जमा करें। इस फाइल को बनाने के 5 अंक आपकी मुख्य वार्षिक परीक्षा में जुड़ेंगे।

Winter Break Home Work For Accountancy Class 11 (2023-24)

Q.1	<p>Ganga Ltd. purchased a machinery on January 01, 2014 for ₹ 5, 50,000 and spent ₹ 50,000 on its installation. On September 01, 2014 it purchased another machine for ₹ 3, 70,000. On May 01, 2016 it purchased another machine for ₹ 8, 40,000 (including installation expenses).</p> <p>Depreciation was provided on machinery @10% p.a. on original cost method annually on December 31. Prepare:</p> <p>Machinery account and depreciation account for the years 2014, 2015, 2016 and 2017.</p>
Q.2	<p>Azad Ltd. purchased furniture on October 01, 2014 for ₹ 4, 50,000. On March 01, 2015 it purchased another furniture for ₹ 3, 00,000. On July 01, 2016 it sold off the first furniture purchased in 2014 for ₹ 2, 25,000. Depreciation is provided at 15% p.a. on written down value method each year. Accounts are closed each year on March 31. Prepare furniture account, and accumulated depreciation account for the years ended on March 31, 2015, March 31, 2016 and March 31, 2017.</p>
Q.3	<p>M/s Lokesh Fabrics purchased a Textile Machine on April 01, 2011 for ₹ 1, 00,000. On July 01, 2012 another machine costing ₹ 2, 50,000 was purchased. The machine purchased on April 01, 2011 was sold for ₹ 25,000 on October 01, 2015. The company charges depreciation @15% p.a. on straight line method. Prepare machinery account and machinery disposal account for the year ended March 31, 2016.</p>
Q.4	<p>M/s. Excel Computers has a debit balance of ₹ 50,000 (original cost ₹ 1, 20,000) in computers account on April 01, 2010. On July 01, 2010 it purchased another computer costing ₹ 2, 50,000. One more computer was purchased on January 01, 2011 for ₹ 30,000. On April 01, 2014 the computer which has purchased on July 01, 2010 became obsolete and was sold for ₹ 20,000. A new version of the IBM computer was purchased on August 01, 2014 for ₹ 80,000. Show Computers account in the books of Excel Computers for the years ended on March 31 2011, 2012, 2013, 2014 and 2015. The computer is depreciated @10 p.a. on straight line method basis.</p>
Q.5	<p>Following information is given below prepare the statement of profit or loss: `</p> <p>Capital at the end of the year 5,00,000 Capital in the beginning of the year 7,50,000 Drawings made during the period 3,75,000 Additional Capital introduced 50,000</p>
Q6	<p>Manveer started his business on April 01, 2016 with a capital of ₹ 4,50,000. On March 31, 2017 his position was as under: `</p> <p>Cash 99,000 Bills receivable 75,000 Plant 48,000 Land and Building 1,80,000 Furniture 50,000 He owned ₹ 45,000 from his friend Susheel on that date. He withdrew ₹ 8,000 per month for his household purposes. Ascertain his profit or loss for this year ended March 31, 2017</p>
Q.7	<p>From the information given below ascertain the profit for the year :</p> <p>Capital at the beginning of the year 70,000 Additional capital introduced during the year 17,500 Stock 59,500 Sundry debtors 25,900 Business premises 8,600 Machinery 2,100 Sundry creditors 33,400 Drawings made during the year 26,400</p>
Q.8	<p>From the following information, Calculate Capital at the beginning:</p> <p>Capital at the end of the year 4,00,000 Drawings made during the year 60,000 Fresh Capital introduced during the year 1,00,000 Profit of the current year 80,000</p>
Q.9	<p>Calculate the gross profit from the following balances taken from the books of Simmi and Vimmi Ltd. for the year ending March 31, 2017.</p> <p>Closing stock 2,50,000 Net sales during the year 40,00,000 Net purchases during the year 15,00,000 Opening stock 15,00,000 Direct expenses 80,000</p>
Q.10	<p>Calculate the amount of gross profit and operating profit on the basis of the following balances extracted from the books of M/s Rajiv and</p>

	Sons for the year ended March 31, 2017. Opening stock 50,000 Net sales 11,00,000 Net purchases 6,00,000 Direct expenses 60,000 Administration expenses 45,000 Selling and distribution expenses 65,000 Loss due to fire 20,000 Closing stock 70,000																																																			
Q.11	Prepare trading and profit and loss account and balance sheet as on March 31, 2017:																																																			
	<table><tr><th>Account Title</th><th>Amount</th><th>Account Title</th><th>Amount</th></tr><tr><td></td><td>□</td><td></td><td>□</td></tr><tr><td>Machinery</td><td>27,000</td><td>Capital</td><td>60,000</td></tr><tr><td>Sundry debtors</td><td>21,600</td><td>Bills payable</td><td>2,800</td></tr><tr><td>Drawings</td><td>2,700</td><td>Sundry creditors</td><td>1,400</td></tr><tr><td>Purchases</td><td>58,500</td><td>Sales</td><td>73,500</td></tr><tr><td>Wages</td><td>15,000</td><td></td><td></td></tr><tr><td>Sundry expenses</td><td>600</td><td></td><td></td></tr><tr><td>Rent and taxes</td><td>1,350</td><td></td><td></td></tr><tr><td>Carriage inwards</td><td>450</td><td></td><td></td></tr><tr><td>Bank</td><td>4,500</td><td></td><td></td></tr><tr><td>Openings stock</td><td>6,000</td><td></td><td></td></tr></table>				Account Title	Amount	Account Title	Amount		□		□	Machinery	27,000	Capital	60,000	Sundry debtors	21,600	Bills payable	2,800	Drawings	2,700	Sundry creditors	1,400	Purchases	58,500	Sales	73,500	Wages	15,000			Sundry expenses	600			Rent and taxes	1,350			Carriage inwards	450			Bank	4,500			Openings stock	6,000		
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	The closing stock, as on March 31, 2017, is □ 22,40																																																			

Winter Break Home Work For Business Studies Class 11 (2023-24)

Q.1	Define ploughing back of profits.
Q.2	Risk capital is defined as which type of capital?
Q.3	State the return given to debenture holders for using their funds.
Q.4	Give one feature of retained earnings that the other source of finance does not have.
Q.5	Mention one similar function of public deposits and ADR.
Q.6	Mention one similar function between preference share capital and equity share capital.
Q.7	Which term is concerned with the redemption and conservation of capital funds in matching the financial need of a company?
Q.8	In the business sector which organization provides both medium and long term loans and has been set up by both the state and central government.
Q.9	Mention two rights of preference shareholder.

Q.9 The equilibrium constant for the formation of hydrogen iodide from hydrogen and iodine is 45 at a certain temperature. $\text{H}_2(\text{g}) + \text{I}_2(\text{s}) \rightleftharpoons 2 \text{HI}(\text{g})$ $K = 45$ Which of the following is true regarding this equilibrium?

- I. The reaction is product favored. II. The reaction is reactant favored.
 III. Equilibrium lies to the right. IV. Equilibrium lies to the left.
 a. I and III b. I and IV c. II and III d. II and IV

Q.10 Define following with examples

- (a) Functional isomerism (b) Electrophiles c) buffer solutions d)
 common ion effect

Q.11 Values of the ionisation constant of some weak bases at a particular temperature are given below:

Base	Dimethylamine	Urea	Pyridine	Ammonia
K _b	5.4×10^{-4}	1.3×10^{-14}	1.77×10^{-9}	1.77×10^{-5}

Arrange the bases in decreasing order of the extent of their ionisation at equilibrium. Which of the above base is the strongest?

Q.12 Arrange the following in increasing order of pH.

KNO_3 (aq), CH_3COONa (aq), NH_4Cl (aq), $\text{C}_6\text{H}_5\text{COONH}_4$ (aq)

Q.13 The value of K_c for the reaction $2\text{HI}(\text{g}) \rightleftharpoons \text{H}_2(\text{g}) + \text{I}_2(\text{g})$ is 1×10^{-4} . At a given time, the composition of reaction mixture is $[\text{HI}] = 2 \times 10^{-5} \text{ mol}$, $[\text{I}_2] = 1 \times 10^{-5} \text{ mol}$. Determine the direction in which the reaction will proceed?

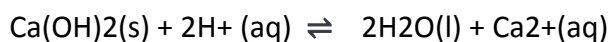
Q.14 The solubility product of $\text{Al}(\text{OH})_3$ is 2.7×10^{-11} . Calculate its solubility in g / L and also find out the pH of this solution. (Atomic mass of Al = 27 u).

Q.15 The ionization for hydrochloric in the water has given below:



Label the two conjugate acid-base pairs in this ionization.

Q.16 Write an expression for the equilibrium constant for this reaction.



Q.17 Determine whether the following salts' aqueous solutions are acidic, basic, or neutral.

Na_2SO_4 , NH_4Cl , KNO_3 , CH_3COOK , CuSO_4 , AlCl_3

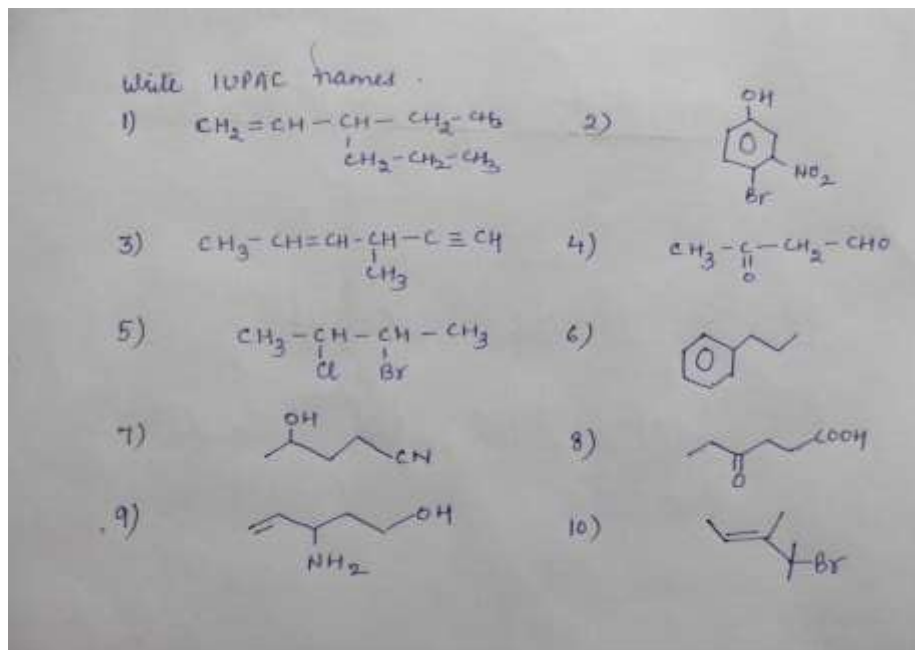
Q.18 What will be the solubility of $\text{AgCl}(\text{s})$ with solubility product 1.6×10^{-10} in 0.1 M NaCl solution?

Q.19 Find the value of K_c if K_p for the given reaction is 1.8×10^{-2} at 500K $2\text{NOCl} \rightleftharpoons 2\text{NO} + \text{Cl}_2$.

Q.20 Compare the stability of primary, secondary and tertiary Carbocation

Q.21 DEFINE the following with examples: carbanions, homolytic fission, Nucleophiles.

Q.22



11. Complete the following table:

Units	Average Production	Marginal Production
1	16	-
2	20	-
3	-	20
4	18	-
5	-	8
6	14	-

12. The demand for goods like sugar and tea is usually:

- Elastic
- Inelastic
- Perfectly elastic
- Perfectly inelastic

13. Production function shows the _____ relationship between physical inputs and physical output (technical/Economical).

14. What is meant by implicit cost.

15. AR curve is also called firm's demand curve. (True/False)

16. At $P_x = Rs 5$, demand for good X is 30 units and supply of good X is 20 units, It is a situation of:

- Excess demand
- Excess supply
- Equilibrium
- None of these

17. The difference between firm and industry disappears in Monopoly. (True/False)

18. In case of perfect competition,

- A firm is able to charge higher price.
- A firm is able to change uniform price.
- A firm is able to sell any amount at the prevailing price.
- Both (b) and (c).

Holidays homework for winter break.

Q.] Write the following questions in your notebook:

1. Under which Market form a firm's marginal revenue is always equal to price and why?
2. State whether the following statements are true or false. Give reason for your answer:
 - (i) When total revenue is maximum, marginal revenue will also be maximum.
 - (ii) When marginal revenue falls to zero, average revenue should be rising.
3. Show with the help of diagram the effect on equilibrium price and quantity when supply is perfectly inelastic and demand increases.
4. Explain the relationship between Total cost, Total fixed cost and Total Variable cost.
5. Explain the relationship between Average cost, Average Marginal cost and average variable cost.
6. Distinguish between 'extension of supply' and 'contraction of supply'. Use diagram.
7. A producer supplies 80 units of goods at a price of ₹10 per unit. Price elasticity of supply is 4. How much will he supply at ₹9 per unit?
8. What is the shape of demand curve under perfect competitive market? Why a firm under perfect market is known as "price taker"?
9. State the difference phases of change in total production to the law of variable proportions. Use diagram.
10. Explain the effect on equilibrium price and quantity in the following cases (use diagrams)-
 - (i) When demand increases more than supply.
 - (ii) When demand increases less than supply.

19. Arrange the following coefficients of price elasticity of demand in ascending order: $-0.87, -0.53, -3.1, -0.80$.
20. Why is the demand curve of a firm under monopolistic competition more elastic than under monopoly? Explain.
21. State and discuss any two factors that will shift the PPC to the right with the help of diagrams.
22. Explain the behaviour of Average fixed cost and Average variable cost when more and more units of a good are produced.
23. Explain how the following factors affect the supply of the commodity:
 - a) Price of factors inputs.
 - b) State of technology.
 - c) Government taxation policy.
24. A consumer has total money income of Rs 500 to be spent on two goods X and Y with prices ₹50 and ₹10 per unit respectively. On the basis of the information given, answer the following questions.
 - a) Give the equation of budget line for the consumer.
 - b) What is the value of the slope of the budget line?
 - c) How many units can the consumer buy if he is to spend all his money income on Good X?
 - d) How does the budget line change if there is 50% fall in price of Good Y?
25. Why will a profit maximizing firm in a perfect competitive market never strike its equilibrium in the state MC is falling? Explain your answer using a suitable diagram.
26. Marginal revenue is the change in total revenue on when additional unit of output is sold. (True/False).
27. Which of the following is a feature of perfect competition?
 - (a) Large no. of Buyers and sellers.
 - (b) Homogeneous units of the product.
 - (c) Perfect knowledge of Market.
 - (d) All the above.

Syllabus for PT-2 [Unit-6 and Unit-7 Microeconomics]

1. Cost
2. Revenue
3. Production function
4. Producer's equilibrium
5. Supply
6. Main Market forms
7. Price determination and Simple application

28. AFC curve is a rectangular hyperbola curve. (True/False)
29. In short run, TVC initially increases at an increasing rate and then at a decreasing rate. (True/False).
30. There is _____ relationship between price commodity and its supply.
- Inverse.
 - Direct.
 - Both (a) and (b)
 - None of these.
31. The minimum assured price offered by the govt. to the farmer for the purchase of their output is called.
- Ceiling price.
 - Equilibrium price.
 - Support price.
 - Market price.
32. Explain consumer's equilibrium with utility analysis & approach. With formula and graph.
33. Write any four properties of Indifference curve.
34. Explain the behaviour of TC, TVC and TFC. Use diagram.
35. Define price floor. Use diagram.
36. Explain the law of variable proportions. Which is the ideal stage of production for the rational producer?
37. Explain shift and movement in demand curve with the help of diagram.
38. Discuss the determinants of demand in detail.
39. Identify which of the following is not true for the IC theory. Give valid reasons for choice of your answer.
- Lower IC represents lower level of satisfaction.
 - Two indifference curve can intersect each other.
 - IC must be convex to origin at the point of tangency with the budget line at the consumer's equilibrium.

KENDRIYA VIDYALAYA NO.1

ROORKEE

WINTER BREAK HOLIDAY

HOMEWORK 2023-24

CLASS- XI

DICTIONARIES

Very Short answer Type Questions

- Q.1 Why can't List can be used as keys?
- Q.2 What type of objects can be used as keys in dictionary?
- Q.3 Can you change the order of the dictionaries contents?
- Q.4 Can you modify the keys in a dictionary?
- Q.5 Can you modify the value in a dictionary?
- Q.6 Is dictionary Mutable? Why?

Short Answer Type Questions

- Q.1 How are dictionaries different from Lists?
- Q.2 When are dictionaries more useful than lists?
- Q.3 Discuss the utility and significance of Dictionaries.
- Q.4 Why is a dictionary termed as an unordered collection of objects?
- Q.5 How is clear() function different from del <dict> Statement?
- Q.6 What is the output produced by the following code -

```
d1={5:[6,7,8], "a": (1,2,3)}  
print(d1.keys())  
print(d1.values())
```

Skill Based Questions

- Q.1 WAP that repeatedly asks the user to enter product names and prices. Store all of them in a dictionary whose keys are product names and values are prices. And also write a code to search an item from the dictionary.
- Q.2 WAP to create a dictionary named year whose keys are month names and values are their corresponding number of days.

Class XI PHYSICS

Winter break holiday homework

- Q1. Stress and pressure are both force per unit area. Then in what respect does stress differ from Pressure? Also write the types of stress.
2. What do you mean by 'permanent set' in a body? Draw the relevant stress – strain graph.
3. Define modulus of elasticity. Write its dimensional formula and S.I. unit. Name its three Components.
4. State Hooke's law. Deduce expression for young's modulus of material of a wire of length 'l', radius of cross-section 'r' loaded with a body of mass M producing an extension Δl in it.
5. Define the coefficients of linear expansion. Deduce relation between it and coefficient of superficial expansion and volume expansion.
6. How much should the pressure on a litre of water be changed to compress it by 0.10%?
7. How much will a body of 70 N weigh in water if it displaces 200 ml of water?
8. Mercury has an angle of contact equal to 140° with soda-lime glass. A narrow tube of radius 1mm made of this glass is dipped in a trough containing mercury. By what amount does the mercury dip down in the tube relative to the liquid surface outside? Surface tension of mercury at the temperature of the experiment is 0.465 N m^{-1} . Density of mercury = $13.6 \times 10^3 \text{ kg m}^{-3}$.
9. Explain why
- (i) The angle of contact of mercury with glass is obtuse, while that of water with glass is Acute.
 - ii. The surface tension of a liquid is independent of the area of the surface.
 - iii. Water with detergents dissolved in it should have small angles of contact.
 - iv. A drop of liquid under no external forces is always spherical in shape.
10. Briefly explain the construction and working of a hydraulic brake.
11. State and prove the equation of continuity and Bernoulli's theorem for steady flow of an ideal fluid.
12. Two soap bubbles in vacuum having radii 3 cm and 4 cm respectively coalesce under isothermal conditions to form a single bubble. What is the radius of the new bubble.

Assertion (a) and the other labelled Reason ®. Select the correct answer To these questions from the codes (a), (b), (c) and (d) as given below.

A.Both A and R are true and R is the correct explanation of A

B.Both A and R are true but R is NOT the correct explanation of A

© A is true but R is false

D.A is false and R is also false

13. Assertion (a): Specific heat capacity is the cause of formation of land and sea Breeze.

Reason ®: The specific heat of water is more than land.

14. Assertion (a): A brass disc is just fitted in a hole in a steel plate. The system Must be cooled to loosen the disc from the hole.

Reason ®: The coefficient of linear expansion for brass is greater than the Coefficient of linear expansion for steel.

15.Assertion : The water rises higher in a capillary tube of small diameter than in the capillary tube of large diameter. Reason : Height through which liquid rises in a capillary tube is inversely proportional to the diameter of the capillary tube.

16.Explain the terms steady state and temperature gradient in reference to thermal Conduction in a rod.

17.At what temperature, do the readings of celsius and fahrenheit scales Coincide?

18.Define the term latent heat capacity and its various types.

19.When 0.15 kg of ice is mixed with 0.30 kg of water at 500 C in a container, the Resulting temperature is 6.70 C. calculate heat of fusion of ice. ($c_{\text{water}} = 4186 \text{ J kg}^{-1} \text{ K}^{-1}$).

20.How does heat flow in Conduction? Define coefficient of thermal conductivity. Write its SI unit.

21. A blacksmith fixes iron ring on the rim of the wooden wheel of a horse cart. The diameter of the rim and the iron ring are 5.243 m and 5.231 m, respectively At 27 °C. To what temperature should the ring be heated so as to fit the rim of the wheel?

22. Surface tension of the liquid is S . Find the work done in increasing the radius of soap bubble from R to $3R$ at given temperature .

23. State and give mathematical expression for Stefan's law of black body Radiation.

24. **CCT QUESTIONS:** Dynamic lift is the force that acts on a body, such as airplane wing, a hydrofoil or a spinning ball, by virtue of its motion through a fluid. In many games such as cricket, tennis, baseball, or golf, we notice that a spinning ball deviates from its parabolic trajectory as it moves through air. This deviation can be partly explained on the basis of Bernoulli's principle. A ball which is spinning drags air along with it. If the surface is rough more air will be dragged. Shows the streamlines of air for a ball which is moving and spinning at the same time. The ball is moving forward and relative to it the air is moving backwards. Therefore, the velocity of air above the ball relative to the ball is larger and below it is smaller. The stream lines, thus, get crowded above and rarified below. This difference in the velocities of air results in the pressure difference between the lower and upper faces and there is a net upward force on the ball. This dynamic lift due to spinning is called Magnus effect. The Venturi-meter is a device to measure the flow speed of incompressible fluid. The principle behind this meter has many applications. Filter pumps or aspirators, Bunsen burner, atomisers and 4 sprayers used for perfumes or to spray insecticides work on the same principle.

A. Explain Magnus effect with example of ball with spin in air.

B. For what purpose a venturi meter is used.

C. Two row boats moving parallel to each other and near by, are pulled towards each other. Explain.

General Instructions :

Read the instructions very carefully and strictly follow them :

(i) *This question paper comprises **11** questions. **All** questions are compulsory.*

(ii) *The question paper contains **THREE** sections –*

Section – A : Reading Skills

Section – B : Grammar and Creative Writing Skills

Section – C : Literature

(iii) *Attempt questions based on specific instructions for each **Part**.*

Section – A

20

Reading Skills

1. Read the passage given below :

(1) If you're like most kids, you may love snow. Not only can it get you out of school, but it's also fun to play with. Who doesn't love to sled and build snowmen ? Snow can also be dangerous, too. You may have heard your parents talk about how difficult it can be to drive in snow. Car accidents aren't the only dangers created by snow. If you're ever skiing in the mountains, you'll want to be aware of avalanches. An avalanche is a sudden flow of snow down a slope, such as a mountain. The amount of snow in an avalanche will vary based on many things, but it can be such a huge pile that it can bury the bottom of a slope in dozens of feet of snow.

- 2
- (2) Avalanches can be caused by many things. Some of them are natural. For example, new snow or rain can cause built up snow to loosen and fall down the side of a mountain. Earthquakes and the movement of animals have also been known to cause avalanches. Artificial triggers can also cause avalanches. For example, snowmobiles, skiers, gunshots and explosives have all been known to cause avalanches. Avalanches usually occur during the winter and spring, when snowfall is greatest. As they are dangerous to any living beings in their path, avalanches have destroyed forests, roads, railroads and even entire towns.
- (3) Warning signs exist that allow experts to predict – and often prevent – avalanches from occurring. When over a foot of fresh snow falls, experts know to be on the lookout for avalanches. Explosives can be used in places with massive snow build-ups to trigger smaller avalanches that don't pose a danger to persons or property. When deadly avalanches do occur, the moving snow can quickly reach over 80 miles per hour. Skiers caught in such avalanches can be buried under dozens of feet of snow. While it's possible to dig out of such avalanches, not all are able to escape.
- (4) If you get tossed about by an avalanche and find yourself buried under many feet of snow, you might not have a true sense of which way is up and which way is down. Some avalanche victims have tried to dig their way out, only to find that they were upside down and digging themselves farther under the snow rather than to the top ! Experts suggest that people caught in an avalanche try to "swim" to the top of the moving snow to stay close to the surface. Once the avalanche stops, do your best to dig around you to create a space for air, so you can breathe easier. Then, do your best to figure out which way is up and dig in that direction to reach the surface and signal rescuers.

Based on your understanding of the passage, answer the questions given below :

10 × 1 = 10

- (i) Complete the sentence by choosing an appropriate option :
Avalanche can be caused by
- (a) new snow or rain. (b) heavy winds.
(c) high altitude. (d) global warming.
- (ii) Comment on warning signs exist which allow experts to predict avalanches in two sentences.
- (iii) Mention two reasons which destroyed the natural scenery.
- (iv) Select the option that conveys the opposite of 'massive' :
- (a) tiny (b) lengthy
(c) bulky (d) extensive
- (v) The writer will agree with one of the given statements (paragraph 4)
- (a) People caught in the Avalanche can try to swim to the top.
(b) Put on an oxygen Mask.
(c) Digging is not possible.
(d) Should not come close to the surface.
- (vi) Select the option that corresponds to the following relation below :
You may not have an idea of which way is up and which way is down.
- (a) The crowd will gather at Gate No. 1 and disperse from Gate No. 2.
(b) Due to the torrential rain, there was a heavy flooding.
(c) The guest felt uneasy and uncomfortable watching the child's performance.
(d) The more the effort, the bigger the gain.
- (vii) The major causes which do not trigger an avalanche :
- (a) Earthquakes (b) Snow fall
(c) Rain (d) Plastic waste

(viii) Explosives can be used in places _____. (complete the sentence)

(ix) The word 'deadly' in the (3) paragraph most nearly means

- | | |
|---------------------------|-------------|
| (a) likely to cause death | (b) harmful |
| (c) very boring | (d) scary |

(x) Select the most suitable title for the above passage :

- | | |
|----------------|-------------------------|
| (a) Avalanches | (b) Adventure with Snow |
| (c) Ice Games | (d) Calamity |

2. Read the passage given below :

10 × 1 = 10

(1) Increasing traffic congestion every year is causing increasing air pollution, wasting time and productivity and diverse respiratory diseases. Moreover, the cost of solving or reducing traffic congestion is enormous. However, neglecting the traffic jam problem would increase the social problems among citizens.

(2) The number of vehicles has increased considerably in the city in the past five years. Due to this increase, the city roads witness frequent traffic congestions, but above all, the vehicles emitting pollutants are affecting the environment adversely.

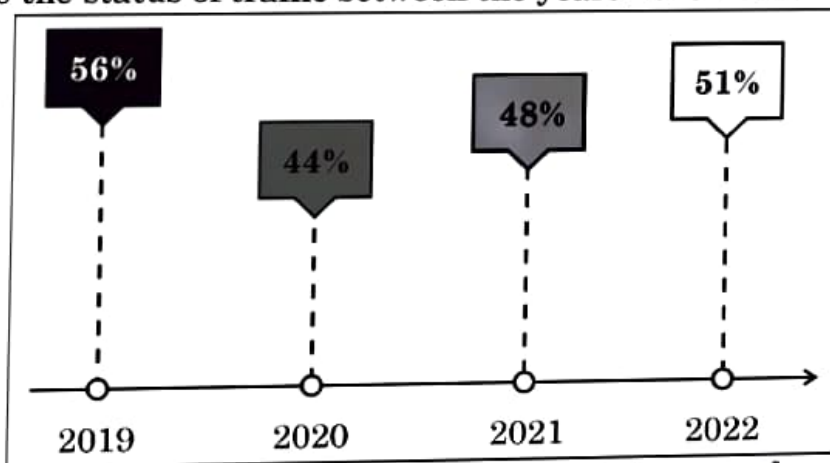
(3) The Capital's vehicular population saw an addition of more than five lakh vehicles last year, registering an increase of over 4%, according to the Delhi Economic Survey 2020-21.

(4) In spite of the largest road network, through metro and bus services in major cities the transport system is not being able to keep pace with the growing demand. Consequently, more and more people use their private vehicles, leading to increased congestion on the roads. In spite of these challenges people in India prefer road travel over air and other means of travel.

Citizens of Delhi/NCR have, time and again, pondered over the possibilities of how to reduce the traffic congestion in the city, especially during the peak hours. People should use public transport, the government must increase the facilities of public transport, people should avoid the unnecessary collection of vehicles and should use carpool and vehicle sharing.

(5) What is required is proper implementation of corrective measures by citizens to get an organized traffic management system.

- (i) Infer one reason for the following, based on information in paragraph 1.
Reducing traffic congestion is not easy.
- (ii) Select the appropriate option to complete the following sentence. The reasons for increased traffic congestion are _____.
1. use of private vehicles
 2. increase in demand for cars
 3. inability to keep pace with population control
 4. travelling by public transport
 5. emission of pollutants
- (a) 4, 5 (b) 1, 5 (c) 1, 2 (d) 2, 3
- (iii) Complete the following analogy correctly with a word / phrase from the paragraph 5.
organized : chaotic :: lowest : _____
Clue : Just as organized is an antonym of chaotic, lowest is an antonym of _____.
- (iv) The vehicles emit pollutants which affect _____ badly.
- (v) Complete the following sentence.
Use of public transport will reduce _____.
- (vi) Select the appropriate option which states the methods of reducing traffic congestions.
1. start car pooling
 2. add electric buses
 3. increase in public modes of transport
 4. increase car collection points
 5. increase taxation
- (a) 1, 4, 5 (b) 3, 5 (c) 2, 3, 4 (d) 1, 3
- (vii) Analyze the status of traffic between the years 2019-2022.



For the visually challenged candidates only.

- (vii) What is required to get an organized traffic management system ?

(viii) Give the reasons for increase in vehicular congestion.

(ix) Fill in the blank by selecting the correct option.

There are _____ consequences of increasing vehicular congestion.

(a) beneficial (b) adverse

(c) implicit (d) explicit

(x) Substitute the underlined word with ONE WORD similar in meaning in the following sentence.

Citizens of Delhi/NCR have time and time again pondered over the possibilities of how to reduce traffic congestion.

Section – B

20

Grammar and Creative Writing Skills

3. Attempt any Ten of the following questions :

10 × 1 = 10

(i) Reena always _____ the truth.

(a) speak

(b) speaks

(c) will speak

(d) speaking

(ii) Select the correct option to fill in the blank for the given line :

Bread and butter _____ my favourite breakfast.

(a) is

(b) am

(c) are

(d) has been

(iii) Read the conversation between two friends Ravi and Reena. Complete the sentence by reporting Reena's reply correctly.

Ravi : "Reena, lend me hundred rupees".

Reena : "I don't have it right now, but I will arrange it for you".

Ravi asked Reena to lend him hundred rupees, to which Reena replied that _____.

(iv) Select the option that identifies the error and supplies the correction for the following line :

I can run fast when I was young.

Option no.	Error	Correction
a	was	is
b	run	ran
c	can	could
d	when	whence

- (v) Complete the given narrative, by filling in the blank with the correct option :

Heena _____ from fever since last Sunday.

- (a) suffered (b) will suffer
(c) suffer (d) has been suffering

- (vi) Fill in the blank by using the correct word in the bracket.

Anyas _____ (eat) all the chocolates kept in the tray.

- (a) ate (b) eating
(c) have eaten (d) eaten

- (vii) Report the dialogue between a mother and a daughter by completing the sentence :

Mother : Why are you looking so worried ?

Daughter : My exams are approaching.

In response to the question of the mother, the daughter replied that _____.

- (viii) Identify the error in the given sentence :

The ship Titanic and her fate continues to fascinate the imagination of the people.

Use the given format for your response :

Error	Correction

- (ix) Ritu and Randeep are talking.

Report Ritu's question.

Ritu – Where are you going ?

Ritu asked _____.

- (x) Fill in the blank by choosing the correct option, to complete the slogan :

_____ smile and pass it to others.

- (a) Happy (b) Short
(c) Always (d) Humble

- (xi) Select the correct option to complete the narration of the dialogue between Anil and Sanjeev :

Anil : Where are you going ?

Sanjeev : To the airport.

Anil : May I drop you there as I'm going in that direction ?

Anil asked Sanjeev where he was going and offered to drop him as _____.

- (a) he could be going in that direction
 (b) he would be going in the direction
 (c) he is going in the direction
 (d) he was going in that direction
- (xii) Identify the error in the newspaper headline.

Attractive packages for different Tourist destination – Mizoram, Kashmir, Kerala, Goa.

Use the given format for your response :

Error	Correction

4. (a) You are pained to see that in your city, there is no proper arrangement for cleaning of drains. There are heaps of accumulated garbage and stagnant water. Write a letter to the Municipal Commissioner of your city complaining about the same as there is a fear of outbreak of disease. You are Alka/Ashish. (Word limit 100-120)

5

OR

4. (b) The authorities have been claiming that the roads in your town have been relaid and repaired. But no such work done is seen. Write a letter to the editor of a local newspaper expressing your concern at the present situation and giving suggestions to resolve the problem, in 100-120 words. You are Prabhu/Parvati of Vivek Vihar, Delhi.

5

5. Attempt any **one** from a and b given below :

5

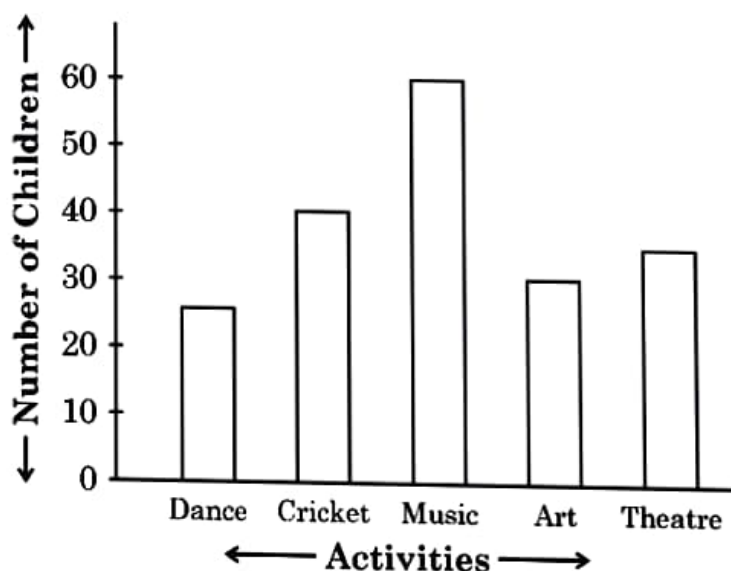
- (a) The chart below displays details regarding online activity for four age groups in six categories. Write an analytical paragraph for the table provided in about 100 words.

Activity%	Age	Age	Age	Age
	Teens	20s	30s	40s
News	76	71	72	78
Downloads	85	55	35	25
Buying a product	44	66	67	69
Online games	88	55	36	28
Searching for a product	0	77	81	85
Searching for people	6	33	22	21

OR

5. (b) A survey was conducted in New Delhi in over twenty schools about the different activities that interest the children in the age group of 13 to 15 years. Write an analytical paragraph in about 100 words analyzing the following information :

5



For Visually Challenged Candidates Only

5. (b) Rehanna is to write an analytical paragraph on 'Hazards of Smoking'. Using your own ideas and the information given below, write the paragraph in 100-120 words.

Smoking – drains out income of an average earner – affect health badly – vital organs are affected – harmful for passive smokers – need to educate people – Role of media in creating awareness.

Section – C

40

Literature

6. Attempt any **one** of the given extracts :

(a) Let me put this more clearly, since no one will believe that a thirteen-year old girl is completely alone in this world. And I'm not. I have loving parents and a sixteen years old sister, and there are almost thirty people I can call friends. I have a family, loving aunts and a good house. No, on the surface I seem to have everything, except my one true friend. All I think about when I am with friends is having a good time. I can't bring myself to talk about anything, but ordinary everyday things.

5 × 1 = 5

(i) On the surface, it appears that Anne the thirteen year old girl _____.

(ii) How can we infer that the speaker felt alone in the world ?

(a) She had a family of many people.

(b) She had loving parents.

(c) She had thirty friends.

(d) She craves for a true friend.

(iii) Anne and her friends talked about _____.

(a) their problematic parents (b) their financial problems

(c) common everyday things (d) the commuting problems

(iv) Complete the analogy by selecting the suitable word from the text :
alone : friends :: nothing :

- (v) Select the option that correctly captures the usage of the idiom 'bring myself' from the extract :

- (a) to do something willingly (b) to do something unwillingly
(c) a charitable act (d) an involuntary act

OR

6. (b) Mrs. Hall almost fell down the stairs in hysterics. She was convinced that the room was haunted by spirits and that the stranger had somehow caused these to enter into her furniture. $5 \times 1 = 5$

- (i) Mrs. Hall tripped because _____

- (a) the floor was oily.
(b) she was standing on a chair.
(c) she was in a state of panic.
(d) the door was slammed.

- (ii) Mrs. Hall suspected everything in the room was put under a spell of witchcraft by _____.

- (iii) Fill in the blank with **one** word only :

Mrs. Hall was afraid that spirits had entered _____.

- (iv) According to the extract, the feeling of Mrs. Hall can be best described as

- | | |
|---------------|--------------|
| (1) stunned | (2) happy |
| (3) awestruck | (4) nervous |
| (5) outraged | (6) agitated |

Select the correct option :

- | | |
|-----------------|-----------------|
| (a) (2) and (4) | (b) (3) and (6) |
| (c) (5) and (6) | (d) (1) and (6) |
- (v) 'Spirits' in the above lines means the same as
- | | |
|------------|----------------|
| (a) ghosts | (b) conscience |
| (c) ego | (d) attitude |

7. Attempt any **one** of the given two extracts :

(a) Though to distinguish beasts of prey

5 × 1 = 5

A novice might nonplus,

The crocodiles you always may

Tell from the Hyena thus :

Hyenas come with merry smiles;

But if they weep they're crocodiles.

(i) Select the appropriate option to complete the sentence, according to the extract :

Crocodiles can be identified by their _____.

(a) tears

(b) attitude

(c) smiles

(d) attacks

(ii) State whether the following statement is True or False :

Hyenas are famous for weeping.

(iii) 'Novice' in line 2 means the same as :

(a) learner

(b) beast

(c) tender foot

(d) beginner

(iv) In this extract the poet has presented two different behavioural traits of animals. They are _____.

(v) The poet uses 'A novice might nonplus' instead of the novice might get confused. How does this usage impact the poem ?

(a) adds an incorrect option.

(b) it is associated with beasts.

(c) it rhymes and adds humour.

(d) it simplifies the meaning.

OR

7. (b) He stalks in his vivid stripes

The few steps of his cage,

On pads of velvet quiet,

In his quiet rage

He should be lurking in shadow

Sliding through long grass

Near the water hole

Where plump deer pass.

(i) Complete the sentence appropriately.

The vivid stripes refer to the _____.

(ii) Which word from the extract is the opposite of 'loud' ?

(iii) The use of the phrase 'pads of velvet' means

(a) neck

(b) tail

(c) skin

(d) paws

(iv) State whether the following statement is True or False :

The confinement of the cramped space of the cage has restricted the tiger's steps.

(v) The tiger was lurking in shadow _____.

(a) to catch its prey

(b) as the cage was dark

(c) as the velvet was quiet

(d) as he was in a rage

8. Attempt any **four** out of the **five** questions given below in **40-50** words each.

4 × 3 = 12

(a) What did Pranjol and Rajvir do during the journey ? Why ?

(b) Who read the letter sent by Lencho ? What did he do then ?

(c) Where is Coorg located ? Write any two characteristics of the people of Coorg ?

(d) How does the poem 'The Tale of Custard The Dragon' differ from the traditional ballad ?

(e) What does the Buddha say about the world ?

9. Attempt any **two** out of the **three** questions given below in **40-50** words each : **2 × 3 = 6**
- (a) Why does Anil not hand over Hari Singh to the police ?
 - (b) What opinion did Mr. Weiherer, Ebright's Social Science teacher have about him ?
 - (c) What was Mr. Herriot's strict advice ? Did Mrs. Pumphrey agree to his advice ?
10. Answer any **one** of the following questions in **100-120** words : **6**
- (a) Whenever we want to achieve something, difficulties always come in our way. What did Valli have to do to go and ride in a bus ?
 - (b) Through the story of Kisa Gotami, what did the Buddha try to preach to the common man ?
11. Answer any **one** of the following questions in **100-120** words : **6**
- (a) Education is always a great asset in the life of a woman. How did Bholi, an educated girl, face the challenge posed by Bishamber's greed ?
 - (b) Those who are satisfied with what they have are happy in life. Those who aspire more than what they can afford ruin their life. Matilda was one such person. If she were content with her life she would have led a happy life. Elaborate on the basis of the chapter 'The Necklace.'
-



SECTION - A
READING SKILLS

20 Marks

1. Read the passage given below :

1. Hiking is a great source of pleasure to us besides being beneficial for health. Once we leave the crowded streets of a city and go out for a walking tour away from the mad world, we really feel free. The open air has a bracing effect on the mind. The congestion of the city, the uproar and tumult, the intolerable noise of traffic, the hectic daily routine, all these are forgotten and the mind is at ease. We then feel like running, leaping, singing and laughing. We travel merrily mile after mile in the company of friends and associates.
2. Hiking takes us in the midst of nature. The sight of waterfalls, flowers, streams, trees and bushes is pleasing. A connect is established between us and nature. Various sounds of nature, like the murmur of a brook or the song of a bird, acquire a new meaning and significance to us.
3. You enjoy the beauty of nature. Minute observations like a snake casting its slough, a mouse peeping out of its hole, a squirrel leaping about on the branches of a tree, a bird flying past us, all these are noticed and they arouse our interest. We have no business worries, no fear of the examination, no anxiety about the home. We have leisure to stand, to walk and talk. It is more thrilling and pleasurable to hike in a mountainous region than in the plains. The excitement of climbing up to the top of a hill, the adventure of coming down a slope, the grandeur of sunset behind a mountain – All these sights lend a rare charm and interest to our journey.
4. We walk along a zigzag motor road or cut across a mountain path in search of adventure. We may have bright sunny weather or might get caught in a shower of rain. We may look below us into the yawning chasm or up at the mountain peak. The feeling of unlimited freedom makes our hearts leap with joy.
5. Hiking is one of the healthiest sports. It ensures a complete escape from the urgent and busy activities of life and therefore gives solace to our brain. It regains its lost energy and is able to do twice as much work as before.
6. The fresh air, beautiful mountains, majestic trees, chirping sound of birds make one's mind and soul at peace with nature.



Based on your understanding of the passage, answer the questions below :

10×1=10

- (i) To go out for a walking tour is
(a) to stroll. (b) to ramble.
(c) to hike. (d) to saunter.
- (ii) Why does the writer say that the mind is at ease when you hike ?
(a) because hiking is an inexpensive activity.
(b) because it brings families together.
(c) because of intolerable noise of traffic.
(d) because the depressing daily routine is forgotten.
- (iii) Complete the following with a phrase :
The various sounds of nature acquire.....
- (iv) Infer one reason for the following based on information in paragraph 2.
A contact is established between us and nature.
- (v) Complete the following analogy correctly with a word from paragraph 2.
aroma : cooking ; fragrance :
- (vi) Give one reason why it is a pleasure to hike in the mountains than in the plains.
(a) because observation is sharpened.
(b) because of the excitement of climbing up and adventure of coming down.
(c) because it is leisure to stand, to walk.
(d) because there are no worries.
- (vii) Hiking gives the brain, the rest it needs because
(a) it is a short time activity.
(b) it is one of the healthiest sports.
(c) it makes us sleep peacefully.
(d) it is an escape from our busy schedule.
- (viii) List any two examples of minute observations you make while on a hike.
- (ix) Supply one point to justify the following :
Hiking gives us a feeling of unlimited joy.



- (x) Substitute the word 'leap with joy' with one word similar in meaning in the following sentence from the passage.

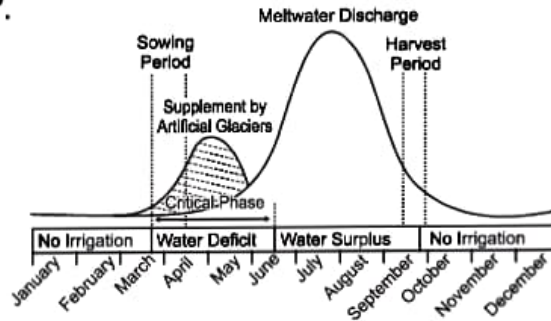
The feeling of unlimited freedom makes our hearts leap with joy.

2. Read the extract given below :

1. Necessity is indeed the mother of invention. When areas in and around Leh began to experience water shortages, life didn't grind to a halt. Why ? Because a retired civil engineer in the Jammu and Kashmir Government came up with the idea of artificial glaciers.
2. Ladakh, a cold desert at an altitude of 3,000 – 3,500 meters above sea level, has a low average annual rainfall rate of 50 mm. Glaciers have always been the only source of water. Agriculture is completely dependent on glacier melt, unlike the rest of river/monsoon-fed India. But over the years, with increasing effects of climate change, rainfall and snowfall patterns have been changing, resulting in severe shortage and drought situations. Given the extreme winter conditions, the window for farming is usually limited to one harvest season.
3. It is located between the natural glacier above and the village below. The one closer to the village and lowest in altitude melts first, providing water during April–May, the crucial sowing season. Further, layers of ice above melt with the increasing temperature, thus ensuring continuous supply to the fields. Therefore, farmers have been able to manage two crops instead of one. It costs about 1,50,000 and above to create a glacier.
4. Fondly called the glacier man, he has designed over 15 artificial glaciers in and around Leh since 1987. In recognition of his pioneering effort, he was conferred the Padma Shri by The President of India.
5. There are a few basic steps followed while creating an artificial glacier. River or stream water at high altitude is diverted to a shaded area of the hill, facing north, where the winter sun is blocked by a ridge or a mountain range. At the start of winter i.e., in November, the diverted water is made to flow on sloping hills facing distribution channels. Stone embankments are built at regular intervals which impede the flow of water, making shallow pools which



freeze, forming a cascade of ice along the slope. Ice formation continues for 3-4 months resulting in a large accumulation of ice which is referred to as an 'artificial glacier'.



Based on your understanding of the extract, answer the questions below :

10×1=10

- (i) Infer one reason for the following, based on information in paragraph 1.
Areas in and around Leh began to experience water shortage but life didn't grind to a halt.
- (ii) Select from the passage the appropriate option to fill in the blanks :
Agriculture is completely dependent on unlike the rest of river/monsoon-fed India.
(a) rainfall pattern (b) climate change
(c) glaciers melt (d) extreme winter conditions
- (iii) Complete the following analogy correctly with a word/phrase from paragraph 3 :
icing : cake :: layers :
- (iv) Select the correct option to complete the following sentence :
At the start of winter the diverted water is made to flow
(a) on sloping hills facing distribution channels.
(b) on high altitude.
(c) on ice-cold water level.
(d) on mountain range.
- (v) From the chart select the months of water surplus.
(a) January, February.
(b) November, December.
(c) July, August, September.
(d) March, April.



For Visually impaired candidates

- (v) Describe the number of months which result in large accumulation of ice.
- (vi) Fill in the blank by selecting from the passage the correct option :
The have been the only source of water in areas in and around Ladakh.
(a) glaciers (b) rivers
(c) streams (d) water springs
- (vii) The word 'located' in paragraph 3 means :
(a) found (b) locally found
(c) situated (d) adapted
- (viii) Write any two steps followed while creating the glaciers.
- (ix) List one reason why artificial glaciers seem the best option.
- (x) Select the most suitable title from the following for the passage :
(a) Water Shortage. (b) New Ways to Pool Water.
(c) Artificial Glacier. (d) River Beds.

SECTION - B
GRAMMAR AND CREATIVE WRITING SKILLS **20 Marks**

3. Attempt ANY TEN of the following questions : 10×1=10

- (i) Fill in the blank by choosing the correct option :
The mud houses are not the buildings in your city.
(a) comparable to (b) comparable of
(c) comparable as (d) comparable for
- (ii) Read the conversation between a policeman and a driver. Complete the sentence by reporting the driver's reply correctly.

Policeman : Why did you park your car here ?

Don't you see a 'no parking area'.

Driver : Sorry Sir ! The engine broke down.

The policeman asked the driver why he had parked the car there and if he didn't see it was a 'no parking area'. The driver felt sorry and explained



- (iii) Select the correct option to fill in the blank for the given sentence :

Where were you ? You be in the class at the right time.

- (a) shall
- (b) should
- (c) will
- (d) would

- (iv) Select the option that identifies the error and supplies the correction for the following sentence :

More of the fun and excitement in our lives comes from using our imagination.

Option	Error	Correction
(a)	More	Most
(b)	Our	The
(c)	From	Of
(d)	Using	Use

- (v) Complete the given narrative, by filling in the blank with the correct option :

Each of the boys rewarded.

- (a) are being
- (b) have been
- (c) was
- (d) were

- (vi) Fill in the blank by using the correct form of the word in the bracket :

Governments are starting programmes..... (teach) adults how to read and write.

- (a) that teaching
- (b) which taught
- (c) to teach
- (d) were teaching



- (vii) Report the dialogue between Ashish and his interviewer by completing the sentence :

Interviewer : Why do you want to be a computer programmer?

Ashish : I have always been interested in computers.

In response to the question of the interviewer about why Ashish wanted to be a computer programmer, he replied

- (viii) Identify the error in the given sentence and supply the correction :

Latex was a natural polymer found beneath the bark of a mature rubber tree.

Use the given format for your response :

Error	Correction

- (ix) Kabir shared some information with Sahil about his travel plans. Report Kabir's plans.

I will go to Tripura tomorrow.

- (x) Fill in the blank by choosing the correct option to complete the slogan.

..... ONLY WEAPON TO FIGHT INJUSTICE IS EDUCATION

- (a) THE (b) A
(c) AN (d) THIS

- (xi) Select the correct option to complete the narration of a dialogue between a passerby and a farmer.

Passerby : Can you tell me the way to Rampur.

Farmer : Drive for four kms and then turn right.

The passerby asked the farmer if he could tell him the way to Rampur. The farmer replied that

- (a) he may drive for four kms and then turn right.
(b) he should drive for four kms and then turn right.
(c) he might drive for four kms and then turn right.
(d) he had to drive for four kms and then turn right.



- (xii) Identify the error in the statement given below and supply the correction. Use the given format for your response.
- Water was vital to human health and fitness.

Error	Correction

Attempt any one from A and B given below :

- (A) Technology today is an effective and convenient means of learning.

TECHNOLOGY IN EDUCATION

PROS	CONS
<ul style="list-style-type: none"> - Improves engagement and retention. - Promotes interactive collaborative learning - Prepares students for the future - Reduces costs - Promotes technological skills - Provides current information 	<ul style="list-style-type: none"> - Distracting - Reduces problem solving skills - Reduces direct peer interaction - Expensive to maintain - Information may not be authentic - Communication

You are Meera/Vaibhav and would like to share your views on the pros and cons of technology in education.

Write a letter to the Editor of a newspaper expressing your views in about 100 -120 words.

OR

4. (B) You are Aruna/Arjun C.C.A. incharge of St. Joseph's High School, Pune Cantt. You have read an advertisement by the National Tourist Corporation, offering excellent prices for group tours.

Write a letter to enquire about the following :

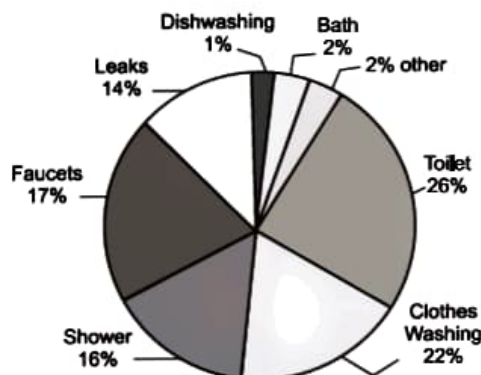
- Duration of tour
- Sight seeing itinerary



- Cost of package discount
- Mode of transport
- Destinations being offered

5. Attempt any one from A and B given below :

- (A) The given pie-chart shows how water is consumed in households in a metropolitan city in India. Study the information carefully and write a paragraph analysing the given pie-chart data.



5. (A) For Visually impaired candidates.

List three ways in which we waste water and the ways how we can save water.

OR

5. (B) The chart below gives the percentage of social media users by age in India in 2020. Write a paragraph analysing the given information in 100-120 words.

Internet Activities by Age Group

Activity %	Age Group						
	Teens	20s	30s	40s	50s	60s	70+
Get News	76	73	76	75	71	74	70
Online games	81	54	37	29	25	25	32
Downloads	52	46	27	15	13	8	6
Product research	0	79	80	83	79	74	70
Buying a product	43	68	69	68	67	65	41
Searching for people	5	31	23	23	24	29	27



SECTION - C
LITERATURE

40 Marks

- 6. (A) Read the extract given below and attempt the questions that follow :**

5×1=5

Inside the clouds, everything was suddenly black. It was impossible to see anything outside the aeroplane. The old aeroplane jumped and twisted in the air. I looked at the compass. I couldn't believe my eyes the compass was turning round and round and round. It was dead. It would not work. The other instruments were suddenly dead, too. I tried the radio. "Paris Control? Paris Control ? Can you hear me?" There was no answer. The radio was dead too. I had no radio, no compass, and I could not see where I was. I was lost in the storm.

- (i) As soon as the pilot was inside the cloud.....
- (a) his ears got blocked.
 - (b) he choked with fear.
 - (c) his vision was obstructed.
 - (d) he was jumping up and down.
- (ii) The devices in the aeroplane were
- (a) malfunctioning.
 - (b) broken completely.
 - (c) giving wrong readings.
 - (d) stopped responding completely.
- (iii) The Paris air control did not reply to the pilot's call because
- (iv) Select the option that correctly captures the application of the word 'twisted' as used in the extract.
- (a) Ragini **twisted** Raghav's wrist.
 - (b) Ragini **twisted** the story to suit the occasion.
 - (c) Ragini did not appreciate Raghav's **twisted** bent of mind.
 - (d) Ragini matched the swimmer as he **twisted** twice in the air before diving into the water.



- (v) Fill in the blank with **ONE WORD** only :
The narrator's comes through clearly
when he sees the compass turning round and round.

OR

6. (B) Read the extract given below and attempt the questions that follow :

5×1=5

Lomov : But you can see from the documents, honoured Natalya Stepanovna. Oxen Meadows, its true were once the subject of dispute, but now everybody knows they are mine. There's nothing to argue about. You see my aunts grandmother gave the free use of these Meadows in perpetuity to the peasants of your father's grandfather, in return for which they were to make bricks for her. The peasants belonging to your father's grandfather had the free use of Meadows for forty years, and had got into the habit of regarding them as their own, when it happened that.....

Natalya : No, it isn't at all like that ! Both grandfather and great grandfather reckoned that their land extended to Burnt Marsh - which means Oxen Meadows were ours. I don't see what there is to argue about, its simply silly.

- (i) The subject of dispute was regarding
 - (a) free use of Meadows.
 - (b) making of bricks.
 - (c) peasants using Meadows.
 - (d) ownership of Meadows.
- (ii) Find the word from the extract which means 'continuance' :
 - (a) dispute
 - (b) perpetuity
 - (c) belonging
 - (d) reckoned
- (iii) Lomov's aunt's grandmother gave Oxen Meadows to Natalya's father's grandfather in lieu of
- (iv) According to Natalya why did Oxen Meadows belong to them ?
- (v) Fill in the blank with **ONE WORD** only :
The peasants had free use of Meadows for years.



7. (A) Read the extract given below and answer the questions that follow :

5×1=5

Don't eat that chocolate Amanda !

Remember your acne, Amanda !

Will you please look at me when I'm speaking to you Amanda !

(I am Rapunzel, I have not a care; life in tower is tranquil and rare, I'll certainly never let down my bright hair)

- (i) The Speaker's tone is
 - (a) loving. (b) hopeful.
 - (c) instructive. (d) indifferent.
- (ii) Complete the analogy with a word from the extract :
rare : uncommon :: peace :
- (iii) State whether the following statement is TRUE or FALSE :
Amanda did not want anyone to invade her privacy and silence.
- (iv) Select the appropriate option :
Amanda's mother is continuously Amanda.
 - (a) encouraging (b) reprimanding
 - (c) motivating (d) disappointing
- (v) Which word in the extract is opposite in meaning to the word 'dull' ?
 - (a) dreary (b) shady
 - (c) bright (d) angry

OR

7. (B) Read the extract given below and answer the questions that follow :

5×1=5

He stalks in his vivid stripes

The few steps of his cage,

On pads of velvet quiet,

In his quiet rage.

He should be lurking in shadow,

Sliding through long grass

Near the water hole

Where plump deer pass.



- (i) 'Quiet rage' refers to the tigers
 (a) helplessness
 (b) he has not been able to hunt
 (c) his prey has not come to the water hole
 (d) he is not free
- (ii) He is lurking in shadows because
- (iii) Complete the sentence appropriately :
 It is clear that metaphor is the poetic device used for 'pads of velvet' because (clue-explain how metaphor applies here).
- (iv) Find a word from the extract which means - to walk with measured, stiff or haughty strides :
 (a) steps
 (b) lurking
 (c) pads
 (d) stalk
- (v) State whether the following statement is TRUE or FALSE :
 The tiger is stealthily waiting for the deer to come to the water hole.

14

8. Answer ANY FOUR of the following in about 40-50 words each :

4×3=12

- (a) Why did the night after the rains turn sorrowful for Lencho ?
 (A letter to God)
- (b) Describe the young seagull's first flight.
 (Two stories about flying)
- (c) Who are paders and why are they friends of children ?
 (Glimpses of India)
- (d) How did Valli gather the details of the bus journey ?
 (Madam rides the bus)
- (e) Describe how Custard the dragon fights with the Pirate.
 (The tale of Custard the Dragon)



9. Answer ANY TWO of the following in about 40-50 words each :

2×3=6

- (a) How did Mrs. Pumphery treat Tricki ?

(The Triumph of Surgery)

- (b) How did Ausable get rid of Max without using a weapon.

(The Midnight Visitor)

- (c) Why did Richard Ebright raise a flock of butterflies ?

(Making of a scientist)

10. Answer ANY ONE of the following in about 100-120 words :

- (a) 'As ripe fruits are in danger of falling early, so mortals when born are always in danger of death'. With this statement of the Buddha find out the moral values that Kisa Gotami learnt after the death of her child.

6

OR

- (b) 'No one is born hating another person because of the colour of his skin, or his background or his religion'. Do you agree? Elaborate on the basis of the chapter "Nelson Mandela - Long walk to freedom".

6

11. Answer ANY ONE of the following in about 100-120 words :

- (a) Contentment in one's life is very important to lead a peaceful life. We should be happy with what we have and should not crave for what we don't have. Matilda suffered in life because she was not content in her life. Her desires led to her disaster. What do you learn from her mistake in life ?

6

OR

- (b) Trust and compassion can reform a person. Justify this statement in the light of the lesson 'The Thief's Story'.

6

15

General Instructions :

Read the instructions very carefully and strictly follow them :

- (i) *This question paper comprises 11 questions. All questions are compulsory.*
- (ii) *The question paper contains THREE sections –*
Section – A : Reading Skills
Section – B : Grammar and Creative Writing Skills
Section – C : Literature
- (iii) *Attempt questions based on specific instructions for each part.*

Section – A

20

Reading Skills

1. Read the following passage and answer the questions that follow :

- (1) Mankind's fascination with gold is as old as civilization itself. The ancient Egyptians held gold in high esteem. Gold had religious significance for them, and King Tutankhamen was buried in a solid gold coffin 3300 years ago. The wandering Israelites worshipped a golden calf, and the legendary King Midas asked that whatever he touched be turned into gold.
- (2) Not only is gold beautiful, but it is virtually indestructible. It will not rust or corrode. Gold coins and products fabricated from the metal have survived undamaged for centuries. Gold is extremely easy to work with. One ounce, which is about the size of a cube of sugar, can be beaten into a sheet nearly 100 square feet in size, and becomes so thin that light can pass through it. An ounce of gold can also be stretched into a wire 50 miles long. Gold conducts electricity better than any other substance except copper and silver, and it is particularly important in modern electronic industry.

- (3) People have always longed to possess gold. Unfortunately, this longing has also brought out the worst in human character. The Spanish conquerors robbed palaces, temples and graves and killed thousands of people in their ruthless search for gold. Even today, the economy of South Africa's gold mines depend largely on the employment of black labourers who are paid about 40 pounds a month, plus boarding and lodging. They work in conditions that can only be described as cruel. About 400 miners die in South Africa each year.
- (4) Much of the gold's value lies in its scarcity. Only about 80,000 tons have been mined in the history of the world. All of it can be stored in a vault 60 feet square, or a super tanker. Great Britain was the first country to adopt the gold standard, when the Master of the Mint, Sir Issac Newton, established a fixed price for gold in 1717. The discovery of gold in the last half of the nineteenth century in California, (1848) and later in Australia and South Africa changed everything. Before the discovery, there wasn't enough gold around for all the trading nations to link their currencies to the precious metal.
- (5) An out-of-work prospector named George Harrison launched South Africa into the gold age in 1886 when he discovered the metal in a farm near what is now Johannesburg. Harrison was given a 12 pounds reward by the farmer. He then disappeared and was eaten by a lion.
- (6) One of the biggest gold mining areas in the Soviet Union is the Kolyma River region, once infamous for its prison camp. The camp has gone, but in a way nothing has changed. Many ex-prisoners have stayed on to work in the mines and are supervised by ex-guards.

- (7) Despite the current rush to buy gold, 75 percent of the metal goes into making jewellery. Italy is the biggest consumer of gold for this purpose, and many Italian jewellers even tear up their wooden floors and burn them to recover the tiny flecks of gold. Historically, the desire to hoard gold at home has been primarily an occupation of the working and peasant classes, who have had no faith in paper money. George Bernard Shaw defended their instincts eloquently, "You have to choose between trusting the natural stability of the honesty and intelligence of the members of the government," he said "and with due respect to these gentlemen, I advise to vote for gold."

Based on your understanding of the passage, answer the questions given below.

10 × 1 = 10

- (i) When was King Tutankhamen buried ?
- (a) 1717 (b) 1886
(c) 3300 years ago (d) 1848
- (ii) Why did Egyptians hold gold in great esteem ?
- (a) because it is a good conductor of electricity.
(b) because of its religious significance.
(c) for lovely gold ornaments.
(d) because it is indestructible.
- (iii) According to the passage, which of the following statements is NOT true ?
- (a) Gold is the best conductor of electricity.
(b) Apart from gold, copper and silver are good conductors of electricity.
(c) Gold can be easily beaten, hence it is easy to work with.
(d) Gold plays an important role in the modern electronics industry.

- (iv) Select the option that displays what the writer projects, with reference to the following.

The wandering Israelites worshipped a golden calf _____.

- (a) importance of religion (b) importance of the metal
(c) good conductor (d) can replace money
- (v) How were the black labourers exploited ?
- (vi) Complete the following with the phrase from paragraph 1 :

Opinion	Reason
	King Tutankhamen was buried in a solid gold coffin 3300 years ago.

- (vii) Based on your reading of the text, list 2 reasons why the writer says that,

Not only is gold beautiful but it is virtually indestructible.

- (viii) Who launched South Africa into the gold age ?

- (a) Issac Newton (b) George Harrison
(c) George Bernard Shaw (d) A farmer

- (ix) Select the option that corresponds to the following :

The ancient Egyptians and the modern electronic industry both hold gold in high esteem.

- (a) The hardworking student came first because of his diligent practice.
(b) Monesty is underrated whereas strategy is appreciated.
(c) The vibrant colours made the interiors look luminous.
(d) The steaming food was both appetizing and tasty.
- (x) Supply one point to justify the following :

The desire to hoard gold at home has been primarily an occupation of the working and peasant classes.

2. Read the passage given below :

10 × 1 = 10

- (1) Starting Monday, the country's low-cost Mars mission with the red planet for an extended period will enter the "blackout" phase snapping communication with the satellite. From June 8 to 22 the Sun will block Mars from the Earth snapping communication with the satellite.
 - (2) A senior Indian Space Research Organisation official said, "This will be for the first time that there will be a communication break for such a long period of about 15 days. During this period, there will be no communication with the satellite", he added.
 - (3) Expressing confidence about regaining control over the satellite once the blackout phase is over, he said, "the scenario has been tested and the line of communication will be established." The spacecraft's life has been extended for another six months in March due to surplus fuel.
 - (4) Stating that the spacecraft has been "configured" for the blackout, the ISRO official said, "we are not sending any commands to the spacecraft now, till 8th June few hours of signals will be sent by the spacecraft that will be for about two to three hours per day". In May next year, the mission will have to go through a similar phase once again, if there is another extension of mission life when the Earth will come between the Sun and Mars.
 - (5) Scripting space history, India on September 24 last successfully placed its low-cost Mars spacecraft in orbit around the red planet in its very first attempt, breaking into an elite club of three countries.
 - (i) Infer one reason for the following based on information in paragraph 1.
The 'blackout' phase is significant _____.
 - (ii) Choose the appropriate option to fill in the blank.
From paragraph 1 & 2, we can infer that there will be _____
 1. no communication with the people.
 2. blackout phase.
 3. satellite will get no communication.
 4. moon will block the earth.
 5. the communication break will be for 15 days.
- (a) 1, 2 & 3 (b) 1, 3 & 4
(c) 2, 3 & 5 (d) 3, 4 & 5

- (iii) The communication with the satellite will break for approximately ____ days.
 (a) 10 (b) 15
 (c) 20 (d) 25
- (iv) Complete the following analogy correctly with a word/phase from paragraph 2 :
 aroma : cooking :: ____ : space research
 (Clue – just like aroma is integral to cooking, similarly ____ is/are integral to Space Research.)
- (v) According to ISRO official till 8th July, when Sun will block Mars, ____ signal / signals per day will be sent to the spacecraft.
 (a) no (b) considerable
 (c) indefinite (d) only for few
- (vi) Select the correct option to complete the following sentence :
 The ISRO officials are ____ about their control over the spacecraft after the blackout phase.
 (a) doubtful (b) apprehensive
 (c) confident (d) jittery
- (vii) The spacecraft's life was extended by six months because of
 (a) extra fuel
 (b) incomplete work
 (c) lack of communication amongst ISRO officials
 (d) technical problems in its landing
- (viii) Read the following sentences :
 (A) The blackout was a sudden development.
 (B) Because of this, the officials are very nervous about the success of the spacecraft.
 (a) Both (A) & (B) are true. (b) Both (A) & (B) are false.
 (c) (A) is true and (B) is false. (d) (A) is false and (B) is true.
- (ix) Substitute the word 'nonpareil' with one word similar in meaning in the following sentence from paragraph 5.
 India managed to get into the nonpareil club of Mars spacecraft in orbit.
- (x) The word 'fascination' in the opening sentence means the same as
 (a) enchantment (b) boredom
 (c) disinterest (d) ugliness

- (vii) Report the dialogue between two friends Seema and Anu, by completing the sentence :

Seema : What brings you here ?

Anu : I am going to Dr. Sen's house.

In response to the question about what brought Anu there, Anu says _____.

- (viii) Identify the error in the given sentence and supply the correction :
Behind every success film there is a lengthy creative process.

Use the given format for your response.

Error	Correction

- (ix) Ritu met Anita and saw her crying.

Report Ritu's question.

Ritu : "Anita, what is the matter ?"

- (x) Fill in the blank by choosing the correct option to complete the slogan :

_____ EDUCATED MIND CAN TEACH MANY.

- (a) THE (b) A
(c) AN (d) THIS

- (xi) Select the correct option to complete the narration of a dialogue between Raj and his wife :

Raj : I have invited my friends for dinner.

Wife : I'll invite my friends too.

Raj told his wife that he had invited his friends for dinner. The wife added that _____.

- (a) she will invite her friends too (b) she would invite her friends too
(c) she can invite her friends too (d) she could invite her friends too
- (xii) Identify the error in the statement given below and supply the correction :

Use the given format for your response.

Error	Correction

The evil of begging is very common into our country.

Grammar and Creative Writing Skills

3. Attempt any TEN of the following questions :

10 × 1 = 10

(i) Fill in the blank by choosing the correct option :

You should ____ your mother for your rude behaviour.

- (a) apologise for (b) apologise at
(c) apologise with (d) apologise to

(ii) Read the conversations between a customer and a waiter. Complete the sentence by reporting the waiter's reply correctly :

Customer : Waiter, come here. The plate is dirty.

Waiter : I'll change it sir.

The customer asked the waiter to come there. He pointed out that the plate was dirty. The waiter politely offered ____.

(iii) Select the correct option to fill in the blank for the given sentence :

____ you help me cross the road, young man ?

- (a) Will (b) May
(c) Shall (d) Might

(iv) Select the option that identifies the error and supplies the correction for the following sentence :

Twenty years ago, kids at school had never even heard of the internet.

Option No.	Error	Correction
A	years	year
B	at	in
C	had	have
D	the	an

(v) Complete the given narrative, by filling in the blanks with the correct option :

NO NEWS ____ GOOD NEWS.

- (a) HAS (b) HAD
(c) IS (d) ARE

(vi) Fill in the blank by using the correct form of the word in the bracket :

When a satellite ____ (launch), the rocket begins by going slowly upwards.

- (a) is launched (b) are launched
(c) have been launched (d) were launched

4. (a) You are Rohit / Rohini of A-45, Pitampura, Delhi. You observed that the subways in Delhi are seldom used by pedestrians who are always trying to cut across traffic. You have decided to write a letter to the editor of 'Hindustan Times' highlighting the dire need of creating awareness about it. Based on the points given along with your own ideas write a letter in 100-120 words.

5

- infrastructure unutilized
- pedestrians prone to accidents
- accumulation of stagnant water/garbage in subways
- need for improvement and regular cleanliness under proper supervision.

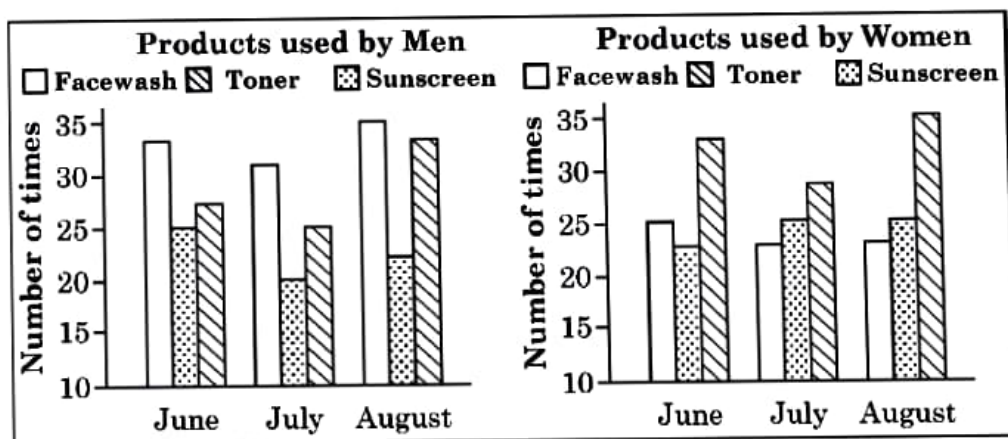
OR

4. (b) You are Shivam / Shivani of C-12, Janakpuri, Indore. You wish to make a pilgrimage to Badrinath, Kedarnath and Haridwar with your family of six. Write a letter to R.K. Travels, enquiring about the schedule of their conducted tour by Deluxe buses to these places. Ask about the charges, boarding and lodging arrangements and the total time needed for the tour. (Word limit 100-120 words)

5

5. (a) The given bar graph shows the increasing use of skin care products by men and women over the period of three months. Write an analytical paragraph elaborating the given information in about 100 words :

5

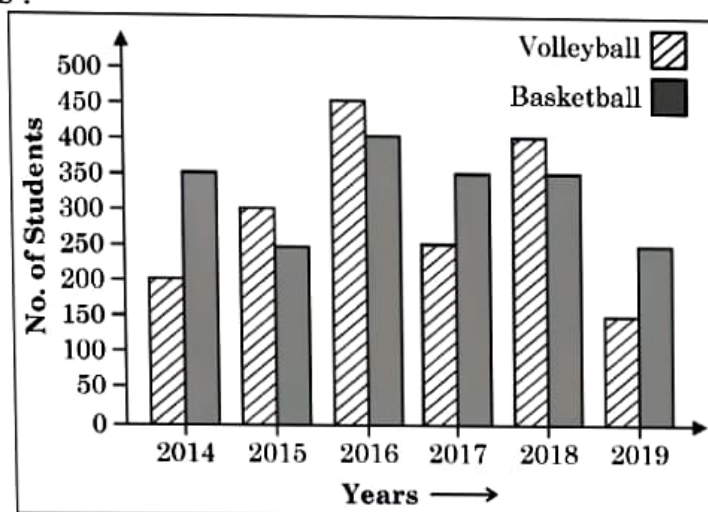


For Visually Challenged Candidates.

5. (a) Junk food can harm our bodies in different ways. Write an analytical paragraph in about 100-120 words on "Junk Food and its impact on the Body". You may use the following cues :
- They have high level of cholesterol, sugar/salt, calories and more.
 - rising popularity of junk food due to taste, low prices, convenience.
 - Spikes energy levels and then leads to drop in concentration.
 - Consumption leads to obesity and adverse impact on liver.
 - Impairs cognitive functions
 - Role of media in creating awareness.

OR

5. (b) The given bar graph shows the preferences of children in a school in playing different games over the span of six years. Write an analytical paragraph about the given information in about 100 words :



For Visually Challenged Candidates.

5. (b) Excessive usage of screen time can cause damage to a growing child. Moreover, it cannot be denied that the child of the digital era cannot be separated from the use of technology. Write an analytical paragraph in about 100-120 words on 'Screen Time and the Digital Generation'. You can use the following cues :
- Technology has changed our lifestyle.
 - Screens refer to mobiles, televisions, laptops, Ipads etc.
 - have become a part of our lives.
 - Many progressive schools encourage the use of laptops.
 - During lockdown – screens came to the rescue of uninterrupted education.
 - Cannot replace face to face, physical interaction between teacher and taught.

Section – C

Literature

6. (a) Read the following passage and answer the questions that follow : $5 \times 1 = 5$

I started right away at the Montessori nursery school. I stayed there until I was six, at which time I started in the first form. In the sixth form my teacher was Mrs. Kuperus, the headmistress. At the end of the year we were both in tears as we said a heartbreaking farewell.

In the summer of 1941 Grandma fell ill and had to have an operation, so my birthday passed with little celebration.

- (i) The narrator 'I' refers to

- (a) Mr. Keesing (b) Mrs. Kuperus
(c) Anne Frank (d) Miss Margot

- (ii) The phrase 'right away' in this extract most nearly means

- (a) with delay (b) the correct way
(c) immediately (d) overtaking from right

- (iii) What does the narrator mean by saying 'we were both in tears' ?

- (iv) Complete the analogy by selecting a word from the text :

dawn : dusk :: mourning : _____.

- (v) Select the option that correctly captures the application of the word 'form' as used in the extract.

- (a) Raghav was in good form while playing the match.
(b) Saheb was promoted to the next form after the annual exam.
(c) My brother did not know how to form a circle.
(d) Anne saw the form on the headmaster's desk.

OR

6. (b) The two boys started in surprise at the fresh muddy imprints of a pair of bare feet. What was a barefooted man doing on the steps of a house in the middle of London ? And where was the man ? $5 \times 1 = 5$

As they gazed, a remarkable sight met their eyes. A fresh footmark appeared from nowhere !

Further footprints followed, one after another, descending the steps and progressing down the street. The boys followed, fascinated, until the muddy impressions became fainter and fainter and at last disappeared altogether.

- (i) The boys were surprised to see a barefooted man in London because ____.
- (a) everybody in London moved around in shoes.
 - (b) it was very cold in London to move around barefoot.
 - (c) the muddy footprints were fresh.
 - (d) only a homeless person would walk barefoot.
- (ii) Select the option that correctly captures the usage of the word 'started' in the above extract.
- (a) When I reached the theatre the movie had already started.
 - (b) The fire started from the kitchen.
 - (c) On hearing the bell ring, the sleeping Raman started and jumped out of bed.
 - (d) Taking a deep breath, Ravi started down the stairs.
- (iii) The boys reaction can best be described as
- (a) captivated, bored (b) repulsed, absorbed
 - (c) curious, unhappy (d) captivated, interested
- (iv) Complete the analogy by selecting the suitable word from the text :
- Disappeared : Vanished :: Extraordinary :
- (v) According to the extract the boys were ____ when they saw the footmark.
- 1. terrified 2. nervous
 - 3. delighted 4. curious
 - 5. puzzled
- Select the correct option :
- (a) 1, 2, 4 (b) Only 1
 - (c) 4 and 5 (d) 2 and 3

7. (a) Read the following extracts and answer the questions that follow by choosing the most appropriate option : 5 × 1 = 5

If strolling forth, a beast you view,
Whose hide with spots is peppered,
As soon as he has leapt on you,
You'll know it's the leopard.
'Twill do no good to roar with pain,
He'll only lep and lep again.

- (i) One can find out that it is a leopard by the way it _____.
 - (a) leaps (b) eats
 - (c) looks (d) roars
- (ii) State whether the following statement is true or false :
When an animal repeatedly leaps at a person, it is a leopard.
- (iii) Complete the sentence appropriately :
It is clear that repetition is a poetic device used for 'lep and lep again' because _____.
(Clue : explain how repetition is applied here.)
- (iv) The Royal Bengal Tiger has black stripes on yellow skin whereas a leopard has _____.
- (v) Complete the analogy with a word from the extract :
claws : nails :: ? : skin

OR

7. (b) He stalks in his vivid stripes 5 × 1 = 5

The few steps of his cage
On pads of velvet quiet
In his quiet rage.

- He should be lurking in shadow
Sliding through long grass
Near the water hole
Where plump deer pass
- (i) 'He' is in a rage because he is
 - (a) hungry (b) tied
 - (c) thirsty (d) in a cage
 - (ii) He is lurking in the shadow because _____.
 - (iii) The above lines express the tiger's _____.
 - (a) resignation (b) fear
 - (c) anger (d) acceptance

- (iv) Complete the sentence appropriately :
It is clear that metaphor is the poetic device used for 'pads of velvet' – because _____. (Clue : explain how metaphor is applied here.)
- (v) The contrast in the above extract is between life in the forest and life in the
- | | |
|------------|-------------------|
| (a) circus | (b) national park |
| (c) cave | (d) zoo |
8. Read the following questions and answer any **four** of the five questions given below : **4 × 3 = 12**
- What did Kisa Gotami do after the death of her only son ?
 - What are the raindrops compared to and why ?
 - How is the Goan baker still an important part of the life of a Goan village ?
 - How did Chubukov react when Lomov asked for the hand of his daughter in marriage ?
 - Why does Amanda wish to be a mermaid ?
9. Read the following questions and answer any **two** of the three questions that follow : **2 × 3 = 6**
- Why did Hari Singh smile in his most appealing way towards the end of the story ?
 - What excuses did Mrs. Pumphrey make about Mr. Herriot's advice ?
 - What lesson did Ebright learn when he did not win anything at a science fair ?
10. Answer any **one** of the following questions in 100-120 words : **6**
- Motivation plays an important role in taking risks in life and in succeeding. Do you agree ? Discuss with reference to the pilot of the old Dakota and the young seagull.
 - Valli was an extra-ordinary girl who had self-confidence and courage to realise her ambition by planning and drawing on her spirit of adventure. Discuss in reference to the chapter 'Madam Rides the Bus'.
11. Answer any **one** of the following questions in 100-120 words : **6**
- Destiny had been cruel to Bholi yet she made a place for herself in a conservative society. Discuss.
 - Matilda was very proud of her beauty and charm and this led to her downfall. Elaborate.