



ARMY PUBLIC SCHOOL KALUCHAK

SUMMER BREAK HOLIDAYS HOMEWORK

CLASS-VII

SESSION: -2023-24

HAPPY HOLIDAYS!!!

With an array of emotions, we enter the golden months of May and June.

With summer vacations right around the corner, exhilarated souls of the young and bright minds are bursting forth with unmatched spark.

“The summer vacation is all about ice-creams, candies and cool-pool. But, most importantly the time of honing our skills and reaching full bloom.”

DEAR CHILDREN

- *Holidays are an integral part of a student’s life. When holidays are given a meaningful direction, it results in a productive and enjoyable time*
- *With the holidays, comes an opportunity to unwind and relax. However, we must maintain a learning continuum during this much needed break*
- *Put on your thinking caps and bask in the glory of an enriching dose of holiday engagement*
- *We have been handed the gift of time, which must be judiciously used for breaking the monotony*
- *Participate in the treasure box of educational activities and boost your self-confidence and varied skills*

“Let’s utilize this golden period to pursue some hobbies, apply our mind’s creativity, explore new things and bring a change in the environment, in our own individual way.”

GENERAL INSTRUCTIONS TO BE FOLLOWED DURING
THE VACATIONS:

- *Reading is essential for those who seek to rise above the ordinary. Spend your quality time reading purposeful books, newspapers and magazines to enhance your daily dose of vocabulary.*
- *Make a list of all the new words explored and keep a record of it.*
- *It's the perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.*
- *A beautiful handwriting makes a good impression. Practice one page of English and Hindi handwriting daily.*
- *Holiday homework should be your authentic creative work,*
- *Holiday Homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.*
- *Schedule your time for activities so that there is no piling up for the last moment.*
- *Indulge more in outdoor activities. Limit the screen time of mobiles, laptops and other gadgets.*
- *Pursue a hobby and work towards your personality development.*
- *Drink plenty of water and juice to stay hydrated during the scorching summers.*
- *Make hand washing and hygiene a part of your daily routine.*
- *Follow proper dining etiquettes during all your meals.*
- *Enjoy a sound sleep. But be an early riser. Practice yoga and meditation. Indulge in physical exercise to stay physically and mentally robust.*

CONNECT, COLLABORATE, CREATE AND COMMUNICATE!!!

ENGLISH HOMEWORK

ACTIVITIES

Q1 : The students to read any one of the following books:

1. Harry Potter (Any one) By JK Rowling
2. Learning How to Fly By APJ Abdul Kalam
3. Ignited Mind by APJ Abdul Kalam
4. Famous Five (Any one) By Enid Blyton
5. Secret Seven (Any one) By Enid Blyton

Q 2: The students to prepare a speech topic mentioned in front of their respective roll numbers. The students will write it down in their notebooks (120 to 150 words) and deliver the same in the class after vacation.

The students will be assessed on the basis of the following criteria:

- a. Content
- b. Presentation
- c. Pronunciation
- d. Voice modulation
- e. Intonation

The topics are as follows:

- 1) TV Viewing is harmful
- 2) Need to preserve the environment
- 3) Examinations is the all-round development of personality.
- 4) Learning by doing – need of the hour
- 5) Life is a learning process
- 6) Boys should learn to cook.
- 7) Life for us is better than it was for our forefathers.
- 8) Electricity in the service of mankind.
- 9) We have achieved a lot in sixty years of independence.
- 10) Artificial Intelligence is a boon
- 11) Peer pressure acts as a morale booster
- 12) Sportsmanship qualities matter the most not winning
- 13) Laptops should be there for children in schools
- 14) Importance of co- curricular activities for students
- 15) Grading system is better than marks
- 16) Sports are closely linked to money these days
- 17) How far does Science advocate religious rituals?
- 18) Urging students to say no to plastics
- 19) Urging students to volunteer their services for cleanliness drives
- 20) Importance of healthy eating
- 21) Urging students to save electricity/water
- 22) My vision for India if I were the Prime minister
- 23) Urging students to say no to crackers.
- 24) Gender Neutral Language should be promoted
- 25) Urging students to donate for the victims of a natural calamity
- 26) Urging students to help their parents at home.

- 27) Advantages of living with grand parents
- 28) Advertisements are misleading
- 29) Reality shows are becoming too reel
- 30) The adverse impact of television.
- 31) Strengthening the joint family system.
- 32) Hard work or Smart work - Which is important?
- 33) Social media is killing book reading habit!
- 34) Can education end terrorism?
- 35) An organ donor – need of the hour
- 36) Pen is mightier than sword
- 37) Right of Children to Free and Compulsory education Act
- 38) Women empowerment
- 39) Online vs Offline education
- 40) Aftermaths of COVID -19

WORKSHEETS

GENERAL INSTRUCTIONS

- **Attempt all the sections carefully and with proper understanding.**
- **Keep note of all the rules of writing and grammar while writing answers.**
- **Cross check all answers with proper revision.**

SECTION A- READING.

(20 MARKS)

Q1. Read the passage given below and answer the questions that follow: (1X10=10)



Evolution has designated vultures to be the ultimate scavengers. Enormous wingspans allow them to circle in the air for hours. Their beaks, while rather horrifying, are weak by bird standards of made to scoop and eat flesh. However unappealing they may seem, vultures serve an important role in the ecological cycle: processing the dead bodies of animals.

Only 20 years ago, India had plenty of vultures—flocks so enormous they darkened the skies. But by 1999, their numbers had dropped due to a mysterious kidney ailment. By 2008, 99.9 per cent

of India's vultures were gone. It was finally discovered that they had been killed by a drug called diclofenac (a pain reliever along the lines of aspirin or ibuprofen).

Indians revere their cows, and when a cow showed signs of pain, they treated it with diclofenac. After the animal died, the vultures would eat the corpse. And though they boast perhaps the world's most efficient digestive system, vultures cannot digest the drug.

India banned the use of diclofenac for veterinary use in 2006, but it's still widely used. The near-extinction of vultures has caused disease in the country, as rats and dogs moved in to take their place—spreading pathogens that would have otherwise been destroyed by the vultures.

Vultures need large ranges to scan for food and undisturbed areas in which to nest. They also need an abundance of prey species since they rely more on chance than their own hunting skills to eat. All of these things have been reduced by human activity. Meanwhile, there is a dramatic increase in secondary poisoning. Vultures feed on carcasses laced with poison, intended to kill jackals or other predatory carnivores. Or they are poisoned by the lead in animals left behind by hunters.

Q1 Vultures serve an important role in the ecological cycle as

- a) they eat less
- b) they process dead bodies of animals
- c) they help to maintain food webs
- d) they clear grounds with their wings

Q2. In which year India banned the use of diclofenac for veterinary use.

- a) 2007
- b) 2006
- c) 2009
- d) 2010

Q3. By 1999 vultures number had dropped due to.....

- a) Chest diseases
- b) Kidney diseases
- c) Heart diseases
- d) None of the above

Q 4. Which of the following is the most suitable title for the passage-

- a) Mystery of vultures
- b) Survival of the fittest
- c) The Extinct Species
- d) Bird standards

Q 5. The reason behind vultures dying is

- a) they feed on carcasses laced with poison, intended to kill jackals or other predatory carnivores.
- b) they are hunted
- c) they do not get enough food
- d) they are diseased

Q 6. What does the phrase 'moved in to take their place' mean in the passage?

- a) contributed to the task
- b) helped them
- c) Replaced them
- d) Removed them

Q7. Why are the vultures beak considered weak?

- a) they are of no use
- b) they are meant to scoop and eat flesh only
- c) they are used to kill their prey
- d) none of the above

Q 8. The author attempts to make the readers _____ through this write-up.

- a) concerned
- b) inspired
- c) awakened
- d) aware

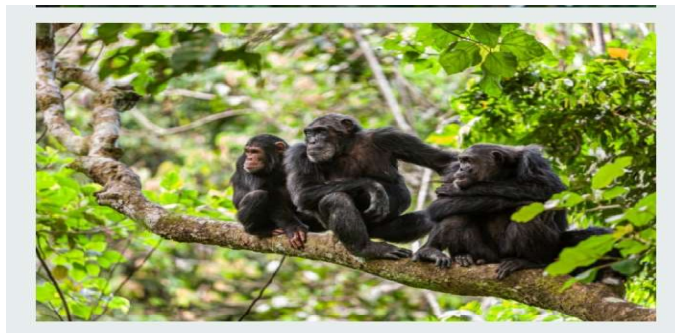
Q 9. What is an interesting fact given in the passage about the vultures?

- a) they eat corpse
- b) they can not digest drugs
- c) they are enormous
- d) they have weak beaks

Q 10. Choose the option that correctly states meaning of 'boast' as used in the passage-

- a) To speak humbly
- b) to talk very proudly
- c) to help others on
- d) to talk very politely

Q.2. Read the passage given below and answer the questions that follow: (1X10 =10)



1 Much of the information we have today about chimpanzees comes from the ground breaking, long-term research of the great conservationist, Jane Goodall.

2. Jane Goodall was born on April 3, 1934 in London, England. On her second birthday, her father gave her a toy chimpanzee named Jubilee. From an early age, Jane was fascinated by animals and animal stories. By the age of 10, she was talking about going to Africa to live

among the animals there, At the time, in the early 1940s, this was a radical idea because women did not go to Africa by themselves.

3. Once in Kenya, she met Dr Louis Leakey, a famous paleontologist and anthropologist. He was impressed with her thorough knowledge of Africa and its wildlife, and hired her to assist him and his wife on a fossil-hunting expedition to Olduvai Gorge. Dr Leakey soon realized that Jane was the perfect person to complete a study he had been planning for some time

4. Dr Leakey and Jane began planning a study of a group of chimpanzees who were living on the shores of Lake Tanganyika in Kenya. Jane faced many challenges as she began her work. The chimpanzees did not accept her right away, and it took months for them to get used to her presence in their territory. But she was very patient and remained focused on her goal. Little by little, she was able to enter their world.

5. At first, she was able to watch the chimpanzees only from a great distance, using binoculars. As time passed, she was able to move her observation point closer to them while still using camouflage. Eventually, she was able to sit among them, touching, patting, and even feeding them. It was an amazing accomplishment for Jane, and a breakthrough in the study of animals in the wild. Jane named all of the chimpanzees that she studied, stating in her journals that she felt they each had a unique personality.

On the basis of your reading of the passage, answer the questions that follow:

Q.1. Jane was gifted on her second birthday:

- (a) a teddy bear.
- (b) a toy gun
- (c) a toy chimpanzee.
- (d) a doll

Q.2. What challenge did Jane face initially while working for chimpanzees?

- (a) They accepted her only after a few months.
- (b) They did not accept her at all.
- (c) It took them a year to accept her.
- (d) They were hostile towards her all through

Q.3. How old was Jane when she decided to go to Africa?

- a) Ten.
- b) Twelve
- c) Nine.
- d) Eight

Q.4. Jane was born in.....

- a) London.
- b) Africa
- c) Netherlands.
- d) America

Q.5. Who was Dr Louis Leakey?

- (a) famous paleontologist and anthropologist
- (b) film producer
- (c) famous oncologist.
- d} None of the above

Q.6. When was Jane Goodall born?

- a) April 3, 1934 in London.
- b) April 3, 1943 in London
- c) April 3, 1953 in London.
- d) April 3, 1947 in London

Q.7. Jane, initially watched the chimpanzees from a distance using

- a) binoculars.
- b) Microscope
- c) Hard lens.
- d) both a and b

Q.8. Jane named each chimpanzee as she thought each had a unique

- (a) colour.
- (b) Personality
- (c] Name.
- (d) style

Q.9. Identify the word from the passage that is similar to ‘concealment. (para 5)

- (a) breakthrough.
- (b) Camouflage
- (c] feeding.
- (d) unique

Q.10 Identify the word from the passage that is opposite to ‘bored or disinterested” ‘ (para 2)

- (a) Radical.
- (b) jubilee
- (c] fascinated.
- (d) None of the above

SECTION B- WRITING

(10 MARKS)

Q.1. Look at the given picture carefully. Give its description in one paragraph. (5)



Q.2. Study the picture given below. Write a story or description or an account to what it suggests to you. Your composition may be about the subject of the picture or you may take suggestions from it; however, there must be a clear connection between the picture and your composition. (1X5=5)

Hints:-

This picture consists of two, not very well dressed, poor kids, playing in the rain. You must observe the picture carefully before writing anything about it. Find out minor details about it and then start writing.



SECTION C- GRAMMAR.

(30 MARKS)

Q.1. Re-arrange the following jumbled words and phrases to make meaningful sentences and mention the kind of sentences (Assertive, Interrogative, Imperative, or Exclamatory) against each sentence. (1X5=5)



- a) beautiful/ What/ Ah!/a/ morning/ it is.
- b) God/ save/ the little/ child/ May.
- c) I/ say/ to make/ angry?/ Did/ anything/ you
- d) I/ Shall/ you/ in/ evening?/ call
- e) good/ Exercise/ for/ health/ is

Q.2. Identify whether the following sentences are simple, compound or complex sentences. Also, mention which of the clauses is the main clause and the subordinate clause. (1X5=5)

- a. I did not know that this food was meant only for the staff.
- b. She is innocent, so she has appealed to the court.
- c. If you are not ready with the song, it is better to let them know.
- d. She will come home or I will stay back at her place.
- e. In the evening, I am going to the park.

Q.3. Identify the transitive and intransitive verb.

(1X10=10)

Go through the sentences and identify the transitive and intransitive verbs.

- a) I heard a loud cry.
- b) She recognized him at once.
- c) You have never helped me.
- d) It rained heavily.
- e) New Delhi is the capital of India.
- f) built a doll house for his eight-year-old daughter.
- g) I ate a sandwich for breakfast.
- h) All of them danced at my wedding party.
- i) No tomato is ripe.
- j) Mohita bought a phone for her mother.

Q.4. Complete the following sentences by inserting a suitable subject.

(1X5=5)

- a) bark at night.
- b) sets in the west.
- c) gives us milk.
- d)is cloudy today.
- e) fly in the air.

Q.5. Read the following sentences and select the correct form of the verb given in brackets.(1X5=5

- a) Rita ___ a mile every day. (run/runs)
- b) The dogs ___ all night. (barks/bark)
- c) The cat ___ the snake. (catch/caught)
- d) We ___ in the park in the evenings. (play/plays)
- e) Mia ___ school yesterday. (went/go)

SCIENCE HOMEWORK

ACTIVITIES

IMPORTANT:

ALL STUDENTS TO WATCH ANY TWO MOVIES RELATED TO SCIENCE STORIES AND INNOVATIONS AND PREPARE A REPORT ON THE SAME

SECTION-A

1.ROLL NO. 1 TO 10: Find out about Hydroponics and Aeroponics .Discuss about the advantages and disadvantages of both the methods

2.ROLL NO. 11 TO 20: Visit a nearby nursery and observe the green house there . Find out the importance of the greenhouse effect for plants . Also find out how is the balance of carbon dioxide , light , temperature and water is maintained there.

3.ROLL NO. 21 TO 30: Find out the application of radiation of heat in our daily life and write your findings in the class

4.ROLL NO. 31 TO 40: Collect information on different types of thermometer, their history along with photographs and paste them in a file

SECTION-B

1.ROLL NO. 1 TO 10: J.J Berzillus first proposed the system of representing elements using chemical elements . Find out more about him and his work, Make a report and write in your notebook

2.ROLL NO. 11 TO 20: Find out ways to make the surroundings of your school remains cool during summers and winters. Explore the natural methods that can be used.

3.ROLL NO. 21 TO 30: How does the shape of an antacid affects its effectiveness ? Take three glasses , half –filled with water . Take three antacid tablets. Crush one into powder and pour the powder into glass A. Note the time it takes to dissolve completely with the help of clock. Break the second tablet into small pieces and put in the glass. Note the time it takes to breakdown completely.Drop the third tablet as such in the glass C and note the time it takes to dissolve completely . Interpret your data by plotting a graph.

4.ROLL NO. 31 TO 40: Make a list of the animals considered as endangered , critically endangered and extinct . Suggest ways to save and protect the endangered species . Make a report and write in your notebook.

SECTION-C

1.ROLL NO. 1 TO 10: Artificial respiration is a procedure to assist or restore respiration in a person who has stopped breathing. Find out more about it and write it in your notebook.

2.ROLL NO. 11 TO 20: Collect 10 flowers from your surroundings. Find out which of them are unisexual and which are bisexual. And also find out names of the flowers and paste the flowers after drying them with detailed

3.ROLL NO. 21 TO 30: To construct an electric circuit of electric bell and different types of teeth.

4.ROLL NO. 31 TO 40: Prepare a model of digestive system

SECTION-D

1.ROLL NO. 1 TO 10: Collect information about the time measuring devices used in ancient time in different parts of the world. Prepare a brief report on any four of them. You can write the name of the device, the place of its origin, the period when it was used, the unit in which time was measured and its photograph. Further also find out how ancient devices are different from the ones which we use today.

2.ROLL NO. 11 TO 20: To prepare a working model of human excretory system.

3.ROLL NO. 21 TO 30: Grow a small vegetable garden in the backyard of your house and click its pictures showing various stages of growth.

4.ROLL NO. 31 TO 40: Visit the nearest wastewater treatment plant and complete the following questionnaire

What happens to the waste water when we do a load of washing or flush the toilet?

How did people deal with waste water in the past?

Wastewater pipe network beneath our cities are like underground rivers of wastewater

Waste water treatment removes most of the contaminants but still a risk to the environment and public health. Why?

SECTION-E

1.ROLL NO. 1 TO 10: Study the tuber, rhizome and bulb of potato, ginger and onion respectively. Try to grow them with these parts. Write your observation in a file.

2.ROLL NO. 11 TO 20: In the ancient times, earthen pots and other utensils made of clay were used. Find out which were first civilizations to use earthen utensils and which were first to use metal for utensils and write in your notebook.

3.ROLL NO. 21 TO 30: In every place, there is life above the ground and below the ground. Find out about the organisms that exist in your environment.

4.ROLL NO. 31 TO 40: Procure a rainfall map of India. Locate the place on map where you live. Does your area receive sufficient rains? Is there scarcity of water in your area during particular time of year? It can be the case that though you live in area with sufficient rainfall, yet there is shortage of water. What steps can you take to prevent this shortage?

SECTION-F

1.ROLL NO. 1 TO 10: Find out about Hydroponics and Aeroponics .Discuss about the advantages and disadvantages of both the methods

2.ROLL NO. 11 TO 20: Visit a nearby nursery and observe the green house there . Find out the importance of the greenhouse effect for plants . Also find out how is the balance of carbon dioxide , light , temperature and water is maintained there.

3.ROLL NO. 21 TO 30: Find out the application of radiation of heat in our daily life and write your findings in the class

4.ROLL NO. 31 TO 40: Collect information on different types of thermometer, their history along with photographs and paste them in a file

SECTION-G

1.ROLL NO. 1 TO 10: J.J Berzillus first proposed the system of representing elements using chemical elements . Find out more about him and his work, Make a report and write in your notebook

2.ROLL NO. 11 TO 20: Find out ways to make the surroundings of your school remains cool during summers and winters. Explore the natural methods that can be used.

3.ROLL NO. 21 TO 30: How does the shape of an antacid affects its effectiveness ? Take three glasses , half –filled with water . Take three antacid tablets. Crush one into powder and pour the powder into glass A. Note the time it takes to dissolve completely with the help of clock. Break the second tablet into small pieces and put in the glass . Note the time it takes to breakdown completely.Drop the third tablet as such in the glass C and note the time it takes to dissolve completely . Interpret your data by plotting a graph.

4.ROLL NO. 31 TO 40: Make a list of the animals considered as endangered , critically endangered and extinct . Suggest ways to save and protect the endangered species . Make a report and write in your notebook.

SECTION-H

1.ROLL NO. 1 TO 10: Artificial respiration is a procedure to assist or restore respiration in a person who has stopped breathing . Find out more about it and write it in your notebook.

2.ROLL NO. 11 TO 20: Collect 10 flowers from your surroundings. Find out which of them are unisexual and which are bisexual .And also find out names of the flowers and paste the flowers after drying them with detailed characters in a file.

3.ROLL NO. 21 TO 30: To construct an electric circuit of electric bell.

4.ROLL NO. 31 TO 40: Visit any five houses in your locality and prepare a report on total number of taps in your locality : number of taps leaking , Amount of water wasted due to leakage , Reasons of leakage , corrective measures taken .

WORKSHEETS

GENERAL INSTRUCTIONS:

This worksheet consists of A, B, C, D, E and F section :

Section –A consists of 10 MCQs and 5 Assertion Reasoning Questions

Section -B consists of Very Short Answer type questions carrying 2mks each

Section -C consists of Short Answer type questions carrying 3mks each

Section -D consists of Long Answer type questions carrying 5 mks each

Section -E consists of Two Case Study Based Type questions carrying 4 mks each

Section – F consists of 5 HOT questions.

SECTION A

Multiple Choice Questions:

1. The plant which traps and feeds on insects is:

- (a) Cuscuta
- (b) China rose
- (c) Pitcher plant
- (d) Rose

2. Plants take carbon dioxide from the atmosphere mainly through their:

- (a) roots
- (b) stem
- (c) flowers
- (d) leaves

3. Water reaches the leaves from root by:

- (a) stomata
- (b) phloem
- (c) xylem
- (d) all of these

4. The green pigment that is present in the leaves are called

- (a) haemoglobin
- (b) globulin
- (c) albumin
- (d) chlorophyll

5. The raw materials used for photosynthesis are:

- (a) CO₂, O₂ H₂
- (b) CO₂, water
- (c) N₂, water
- (d) O₂ water

6. The breakdown of complex components of food into simpler substances is called

- (a) ingestion
- (b) egestion
- (c) assimilation
- (d) digestion

7. Enzymes present in saliva converts

- (a) starch into simple sugars
- (b) proteins into amino acids

- (c) complex sugars into simple sugars
(d) fats into fatty acids and glycerol
8. The process of taking food in the body is known as
(a) egestion
(b) ingestion
(c) digestion
(d) assimilation
9. The bile plays an important role in the digestion of
(a) carbohydrates
(b) fats
(c) sugar
(d) starch
10. Which among the following exert atmospheric pressure?
(a) Land
(b) Water
(c) Air
(d) All of these.

Assertion Reason Questions.

- a) Assertion and reason both are correct statement and reason is correct explanation for assertion.**
b) Assertion and reason both are correct statement and reason is not correct explanation for assertion.
c) Assertion is correct statement but reason is wrong statement.
d) Assertion is wrong statement but reason is correct statement.

1. Assertion - there are four types of teeth present in mouth.
Reason- the incisor, canine, premolar, molar are the four types of teeth present in moth.
2. Assertion- the plant are autotrops in nature.
Reason - the organisms which make their food by themselves are called autotropic.
3. Assertion- air moves from the region where the air pressure is high to the region where the pressure is low.
Reason- when the increased wind speed is indeed accompanys by a reduced air pressure.
- 4.. Assertion- the smoke always goes up.
Reason- the warm air is lighter than the cold air
5. Assertion – Aerobic animals are not truly aerobic.
Reason- They produce lactic acid anaerobically

SECTION B

Short Answer Type Questions (2mks)

1. Write the chemical equation representing the process of photosynthesis ?
2. Name the various components of food and their simpler forms
3. Explain the use of kink in a clinical thermometer.

4. How do fungi grow and develop?
5. Can plants use artificial source of light (eg tube light) for preparing food ?
6. Potato and ginger are both underground parts that store food . Where is the food prepared in these plants ?

SECTION C
Short Answer Type Questions (3mks)

1. Why gas is released after opening the soda water bottle?
2. Why it is advised that spoon should not be placed in pickle jar?
3. Why are people advised not to stand near fast moving train?
4. In winter season why does wind blow from land to sea?
5. Why we need more oxygen during heavy exercise/work?
6. Draw a neat and clean diagram of Amoeba showing the correct location of the following components :
nucleus, vacuole, pseudopodia.

SECTION D
Long Answer Type Question (5mks)

1. (a) Describe the process by which plants prepare their food using different raw materials with proper labelled diagram.
(b) i. Name a plant that has both autotrophic and heterotrophic mode of nutrition.
ii. What are the functions of stomata?
2. (a) Explain the reason for the following statement , When heat is supplied at the bottom of the water vessel , then it gets heated more quickly than water it is heated at the top
(b) Explain the reason for the shiny reflectors of room heaters.
3. (a) Write the difference between milk teeth and permanent teeth
(b) Explain the process of digestion in grass eating animals.

SECTION E

Case Study I (4mks)

1. The food passes through a continuous canal which begins at the buccal cavity and ends at the anus. The canal can be divided into various compartments: (1) the buccal cavity, (2) food pipe or oesophagus, (3) stomach, (4) small intestine, (5) large intestine ending in the rectum and (6) the anus. Is it not a very long path. These parts together form the alimentary canal (digestive tract). The food components gradually get digested as food travels through the various compartments. The inner walls of the stomach and the small intestine, and the various glands associated with the canal such as salivary glands, the liver and the pancreas secrete digestive juices. The

digestive

juices convert complex substances of food into simpler ones. The digestive tract and the associated glands together constitute the digestive system.

- (a) Name the glands which are associated with the alimentary canal.
- (b) What is hiccup? Why do we get hiccup?
- (c) Explain the role of mucus secreted by stomach
- (d) What happens to food after it is completely digested in the small intestine.?

CASE STUDY II

2. During a rainy season Radhika's, mother seems to be very busy in cleaning and keeping things in proper places. Radhika being feeling bored went to her mother and asked her what she is up to. Her mother affectionately explained her that this is the time when fungus grow very much. So she is keeping all things safe from their attack. Radhika on understanding this started helping her mother.

- (a) What is fungi?
- (b) What is the mode of nutrition in fungi?
- (c) Why fungi appear suddenly during rainy season?
- (d) How can you keep your things safe from fungi

MATHS HOMEWORK ACTIVITIES

SECTION A

1) ROLL NO 1-10: To represent the following products of decimal numbers on a square paper.*i) 0.3×0.7

2) ROLL NO 11-20 : Conduct a survey of 10 families regarding the total number of family members in their family. Draw the data in Tabular form. Also, draw bargraph.

3) ROLL NO 21-30: Make a model of different types of 3d shapes(Cube, cuboid, sphere , cylinder)

4) ROLL NO 31- 40 : Draw 2D/3D map of your school.

SECTION – B

1) ROLL NO 11-20: Identify Hardy- Ramanujan Number . Write the properties of it.

2) ROLL NO 11-20: Stitch / frame a napkin using various cut outs of geometrical shapes. For stitching take the help of your mother . Cutting and assembling of different shapes to be done by the students.

3) ROLL NO 21-30: Make a working model of calculator.

4) ROLL NO 31 – 40. Make a model of 3D shapes using craft sticks.

SECTION – C

1) ROLL NO 1- 10: Draw / frame any picture showing different types of angles used.

2) ROLL NO 11-20 : Make a carry bag using geometrical shapes.

3)ROLL NO 21-30 : Make a working model of calculator.

4)ROLL NO 30-40 : Make a model of 3D shapes using craft sticks.

SECTION - D

1)ROLL NO 1- 10: Make a jewelry box of different geometrical shapes.

2)ROLL NO 11-20 : Make a carry bag using geometrical shapes

3)ROLL NO 21-30 : Make a working model of calculator.

4)ROLL NO 30-40 : Make a model of 3D shapes using craft sticks.

SECTION - E

1)ROLL NO 1- 10: Make a jewelry box of different geometrical shapes.

2)ROLL NO 11-20 : Make a carry bag using geometrical shapes.

3)ROLL NO 21-30 : Make a working model of calculator.

4)ROLL NO 30-40: Make a model of 3D shapes using craft sticks.

SECTION - F

1)ROLL NO 1- 10: To represent the following products of decimal numbers on a square paper.*i) 0.3×0.7

2)ROLL NO 11-20 : Conduct a survey of 10 families regarding the total number of family members in their family. Draw the data in Tabular form. Also, draw bargraph.

3)ROLL NO 21-30 : Make a model of different types of 3d shapes(Cube, cuboid, sphere , cylinder)

4)ROLL NO 30-40: Draw 2D/3D map of your school.

SECTION - G

1)ROLL NO 1- 10: Identify Hardy- Ramanujan Number . Write the properties of it.

2)ROLL NO 11-20 : Stitch / frame a napkin using various cut outs of geometrical shapes. For stitching take the help of your mother . Cutting and assembling of different shapes to be done by the students.

3)ROLL NO 21-30 : Make a working model of calculator.

4)ROLL NO 30-40: Make a model of 3D shapes using craft sticks.

SECTION - H

1)ROLL NO 1- 10: Draw / frame any picture showing different types of angles used.

2)ROLL NO 11-20 : Make a carry bag using geometrical shapes.

3)ROLL NO 21-30 : Make a working model of calculator.

4)ROLL NO 30-40: Make a model of 3D shapes using craft sticks.

WORKSHEETS

General instructions:

- This worksheet consists of five sections A,B,C,D and E
- Section A comprises of 15 MCQ and 3 Assertion reasoning based questions.
- Section B comprises of 5 very short type questions carrying 2 marks each.
- Section C comprises of 5 short questions carrying 3 marks each.
- Section D comprises of 4 long questions carrying 5 marks each.
- Section E comprises of 2 case study questions carrying 4 marks each.

SECTION A

- 1 Which of the following is the additive inverse of (-27)
(a) 0 (b) 27 (c) -27 (d) 1
- 2 Which of the following represents $\frac{1}{3}$ of $\frac{1}{6}$?
(a) $\frac{1}{3} + \frac{1}{6}$ (b) $\frac{1}{3} - \frac{1}{6}$ (c) $\frac{1}{3} \times \frac{1}{6}$ (d) $\frac{1}{3} \div \frac{1}{6}$
- 3 On dividing 7 by $\frac{2}{5}$
(a) $14\frac{1}{2}$ (b) $35\frac{1}{4}$ (c) $14\frac{1}{5}$ (d) $35\frac{1}{2}$
- 4 Mode of given data 2,2,2,3,3,4,5,5,5,6,6,8
(a) 2 (b) 3 (c) 2 (d) 2 and 5 both
- 5 Which of the following has the same mean, median, and mode ?
(a) 6,2,5,4,3,4,1 (b) 4,2,2,1,3,2,3 (c) 2,3,7,3,8,3,2 (d) 4,3,4,3,4,6,4
- 6 A ribbon of length $5\frac{1}{4}$ m is cut into small pieces each of length $\frac{3}{4}$ m. Number of pieces will be
(a) 5 (b) 6 (c) 7 (d) 8
- 7 The product of 0.03×0.9 is:
(a) 2.7 (b) 0.27 (c) 0.027 (d) 0.0027
- 8 A vehicle covers a distance of 89.1 km in 2.2 hours . What is the average distance covered by it in 1 hour?
(a) 40.5m (b) 40.5km (c) 40.5km (d) 405km
- 9 Which of the following is the value of $(-12) \times (-2) \times (-5)$?
(a) -120 (b) 120 (c) 0 (d) 1
- 10 The average of the scores 38 ,13, 32, 8 and 16 .
a) 65 (b) 5 (c) -13 (d) 21
- 11 What is the value of the expression $\{ (-10) \div 2 \} \times (-4)$?
a) 20 (b) 2 (c) -9 (d) -12
- 12 **Solve: $2 - (3/5)$**

- a) 20 b) 2 c) -9 d) -12

13 Find the mean of the first five whole numbers.

- a) 10 b) 2 c) -5 d) -10

14 $0 \div (2 + 8) =$

- a) 0 b) 10 c) -10 d) 6

15 $(-12) \times 8 \times 5 \times -2 \times 30 \times 12$

- a) 1824 b) -1200 c) -164 d) none of these

16 Assertion(A)– closure property under addition and subtraction states that the sum or difference of any two integers will always be an integer

Reason (R) – $3 + (-4) = 3 - 4 = -7$

- 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
c) A is true but R is false
d) A is false but R is true

17 Assertion: A fraction is a number expressed as a quotient, in which a numerator is divided

by a denominator.

Reason: $4/11$ is an integer.

- 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
c) A is true but R is false
d) A is false but R is true

18 Assertion: The equivalent fraction of $4/5$ is $20/25$.

Reason: $4 \times 5/5 \times 5 = 20/25$

- 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
c) A is true but R is false
d) A is false but R is true

SECTION B

19 Verify that : $a - (-b) = a + b$ for the following values of a and b

- (i) $a = 42$, $b = 36$ (ii) $a = 236$, $b = 250$.

20 Find the mean and median of first five prime numbers.

21 (a) Solve (a) $\frac{5}{63} - \frac{(-6)}{21}$

{b} $-\frac{1}{8} \div \frac{3}{4}$

22 In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If Jack's scores in five successive rounds were 25, - 5, - 10, 15 and 10, what was his total at the end?

23 A rectangular sheet of paper is $12\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. Find its perimeter

SECTION C

24 Solve : (i) $2\frac{2}{3} + 3\frac{1}{2}$

(ii) $12 \div \frac{3}{4}$

(iii) $14 \div (5/6)$

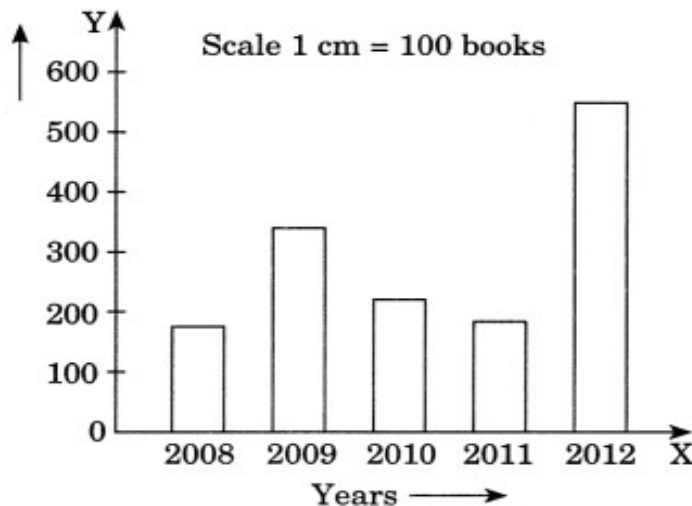
(iv) 43.07×100

25 The following bar graph shows the number of books sold by a publisher during the five consecutive years. Read the bar graph and answer the following questions:

(i) About how many books were sold in 2008, 2009 and 2012 years?

(ii) In which years were 575 books were sold?

(iii) In which years were the minimum number of books sold?



26 The product of two numbers is 2.0016. If one of them is 0.72, find the other number.

27 A square paper sheet has $10\frac{2}{5}$ cm long side. Find its perimeter and area.

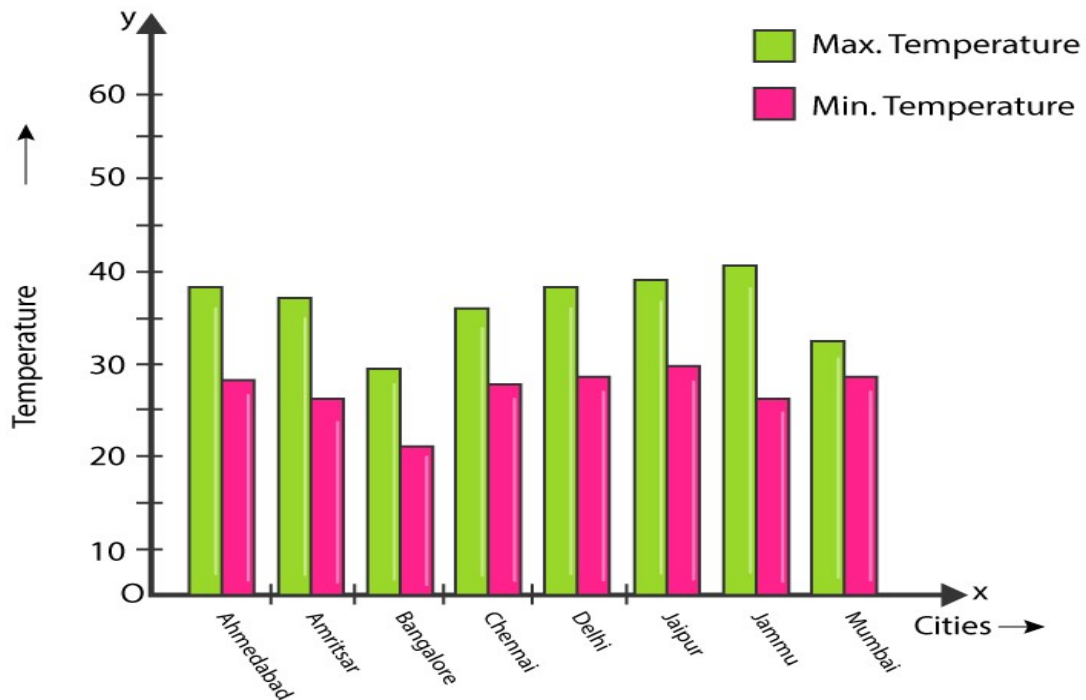
28 Sali plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is $\frac{3}{4}$ m. Find the distance between the first and the last sapling

SECTION D

- 29 In a quiz, ₹ 300 are awarded for every correct answer and a penalty of ₹ 75 is put for every incorrect answer. Madhuri answered 15 questions out of which only 6 answers were correct. How much money is earned by Madhuri in the quiz?
- 30 Find the product using distributive property
(a) -42×102 (b) -12×99
- 31 An elevator descends into a mine shaft at the rate of 5m/minute..How long will it take to reach -350 m ?
- 32 Find the mean,mode ,median and range of the data:
13,65,67,45,89

SECTION E

- 33 Take the data giving the minimum and the maximum temperature of various cities given in the given figure. Plot a double bar graph using the data and answer the following:



- (i) Which city has the largest difference in the minimum and maximum temperature on the given date?
- (ii) Which is the hottest city and which is the coldest city?
- (iii) Name two cities where the maximum temperature of one was less than the minimum temperature of the other
- 34 Sham earns 40000 rupees per month.He spends $\frac{3}{8}$ of the income on food, $\frac{1}{5}$ of the remaining on LIC premium and $\frac{1}{2}$ on education and remaining on other expenses

- (i) How much does he spend on food?
- (ii) How much does he pay for LIC premium?
- (iii) How much amount is left with him?

HOTS

1. State whether the following statements are true or false. Justify your answer.
 - (i) The sum of a positive integer and a negative integer is always a positive integer
 - (ii) The sum of two integers is always greater than their difference.
 - (iii) The product of two integers is always greater than the sum of the integers.

2. The weight of an object on the Moon is $\frac{1}{6}$ its weight on the Earth. If an object weight $5\frac{3}{5}$ kg on the Earth. How much would it weight on the Moon?

3. A picture hall has seats for 820 persons. At a recent film show, one usher guessed it was $\frac{3}{4}$ full, another that it was $\frac{2}{3}$ full. The ticket office reported 648 sales. Which usher (first or second) made the better guess?

4. Dinesh went from place A to place B and from there to place C. A is 7.5 km from B and B is 12.7 km from C. Ayub went from place A to place D and from there to place C. D is 9.3 km from A and C is 11.8 km from D. Who travelled more and by how much?

- 5 A fruit merchant earns a profit of Rs. 6 per bag of orange sold and a loss of Rs. 4 per bag of grapes sold. A Merchant sells 1800 bags of orange and 2500 bags of grapes. What is the profit or loss?

SSC HOMEWORK

ACTIVITIES

GROUP-A

1. Find out about the traditional dresses worn by men and women in Tamil Nadu; types of fabric so used to them. Make a poster on the basis of the information collected by you. Creatively use your ideas, to show the WEARING APPAREL of the Tamil Nadu.
2. Prepare a Travel Brochure for Jammu and Kashmir Tourism and Travel. (J&K as an ideal tourist destination for all type of people as pilgrims, adventurer, nature lover etc.) (BrochureMaking)
3. "A well- developed Home Garden is a complete farming system and good for nutrition improvement.' Students to use plastic, glass bottle, cans, biodegradable material for composting. Plant some herbs, use seed sprout for your beautiful garden.
4. Find out about the art and architecture of Thanjavur and prepare a scrapbook illustrating art, temple and other buildings from this city of Tamil Nadu.

GROUP-B

5. Make an Advertisement on the theme "HASTE OUT OF WASTE" Students to use various techniques to advertise the product they created something out of waste and named it uniquely. Then they created their own advertisement by either making a video or using A3 size sheet. They also made use of powerful jingles.
6. Use your imagination to design currency (coin) of the eighth century. Also draw a postal stamp showing a miniature painting on it.
7. Prepare a scrapbook showing all the public facilities of your locality. Also suggest some public facilities required in your area.
8. Make a project file showing trees of your surroundings and find out whether they are evergreen or deciduous. Also make a beautiful and colourful painting using original leaves of different trees.

GROUP-C

9. Compile information and collect pictures of temples built in the medieval period (7th-12th century) in North and South India. Compare the architecture of these temples.
10. Prepare a PowerPoint Presentation on Different Tribal Regions of India.
11. Be a TV News reporter. Suppose you are a news editor of a newspaper. You have to prioritize 10 stories in order of importance -National (2), international (2), state (2), local (2) and sports (2).
12. Prepare a lapbook on famous market places of India.

GROUP-D

13. Meditate for 5 minutes in the mornings for 21 days. Then write two paragraphs - one on how you felt immediately after meditating, and another on the overall effects and experience of this project.
14. Create a model of any tribal art and craft object of Arunachal Pradesh or Uttar Pradesh

for eg. WEAVING, CANE AND BAMBOO WORK, ORNAMENT MAKING BASKETRY.

15. PAIRING OF STATES: KARNATAKA AND UTTARAKHAND-Sketching - Clothes, Clay Modelling, Clothes, Jewellery, Poetry, Culinary Art, Traditional Toys with Paper Mache or Paper Quilling, Creating Art, Reservoir Using Waste Material - Landforms of Uttarakhand or Karnataka, Tourist Brochure to Uttarakhand.

16. Collect and organise all the information about your favourite freedom fighter in form of biography. (Any two and do in scrap book)

GROUP-E

17. Make a PowerPoint Presentation explaining the detailed information about the different cyclones that hit India in 2020-21 and why Sundarbans is cyclone capital of India.

18. Prepare a project report on PETA India 2022 volunteer of the year and write about his efforts for animal rights. How can you help animal activists in your city in their work.

19. "Food is the ingredient that bind us together to our roots to our traditions". Make a project file on the theme of traditional foods of Jammu & Kashmir.

20. Prepare an Info graphic project on recent cyclones that hit India in 2022-2023.

COMMON ACTIVITY

1. G20 is a mile stone in the history of our country . Prepare a scrap book on invited international organization with their flags about G20 Summit.
2. Prepare a brief report on Russia-Ukraine conflict mentioning their conflict background, how much Ukraine is important to Russia and reason for Russia's aggression. What are its implication on India.
3. "Asia is the largest and most populous of earth's continents and is located in both the Northern and Eastern Hemispheres. According to the United Nations, Asia has 49 countries at present." Write and learn names and capitals of all these 49 Asian countries on A4 size sheet. (Use self made folders)

IMPORTANT NOTE:

Above mentioned "COMMON ACTIVITIES" are compulsory to be done by each and every student .

WORKSHEETS

GENERAL INSTRUCTIONS:

- i. This worksheet consists of A, B, C, D, E and F section:
- ii. Section -A consists of 20 MCQs carrying 1 mk each from serial 1 to 20.
- iii. Section -B consists of Very Short Answer type questions carrying 2 mks each from serial 21 to 24
- iv. Section -C consists of Short Answer type questions carrying 3mks each from serial 25 to 28.
- v. Section -D consists of Long Answer type questions carrying 5 mks each from serial 29 to 30.
- vi. Section -E consists of three Case Study Based Type questions carrying 4 mks each from serial 31 to 33.
- v. Section – F consists of Map work-based questions carrying 1 mark each from serial 34.1 to 34.5

SECTION-A

1. Right to vote in India is known as
(a) Universal Adult Franchise (b) Right to politician
(c) Adult Voting power (d) Right to Single vote
2. Fill in the blank:
Rocks made of molten magma are called_____
3. Where is the deepest mine of the world located?
(a) South America (b) South Africa (c) Europe (d) Asia

4. Match the following: -

a	cartographer	(i)	Persons who do expeditions
b	archives	(ii)	Person who makes map
		(iii)	Where manuscripts were kept

- (a) a-ii, b-i (b) a-ii, b-iii (c) a-iii, b-i (d) a-i, b-ii
5. Identify the following picture.



- (a) Cartographer (b) poet (c) scribe (d) None of the given

6. Life bearing layer on the earth is
(a) Lithosphere (b) Atmosphere (c) Hydrosphere (d) Biosphere
7. What was the original full name of UNICEF?
(a) United Nations International Children's Emergency Fund
(b) Union Nations International Children's Education Facility
(c) Union Nations International Children's Emergency Facility
(d) United Nations International Children's Education Fund
8. Identify the kingdom with the help of the following information
(i) Worked as subordinate to the Pallava kings
(ii) In 985, Rajaraja I came to power and expanded the empire even more.
(iii) Agriculture was the main source of revenue
(iv) Vetti was one of the important tax levied on the people.
(a) Cholas (b) Pandayas (c) Chauhan's (d) None of these.
9. In the question given below there are two statements marked as Assertion (A) and Reason (R) Read the statement and choose the correct answer.
Assertion (A): Historians have to read different manuscripts versions of the same text.
Reason (R): With changing time not only grammar and vocabulary but the meaning of words also changes.
(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.

(c) A is correct but R is wrong.

(d) A is wrong but R is correct.

10. Arrange the following in correct sequence with respect to Rock cycle.

(i) Igneous rocks formed by the solidification of lava or magma.

(ii) Under great heat and pressure metamorphic rock formed.

(iii) Grains of sediments forms sedimentary rocks.

(iv) Lava cools down on the surface of the earth.

(a) i, iv, ii, iii

(b) iv, i, iii, ii

(c) iii, ii, iv, ii

(d) ii, i, iii, iv

11. Which of the following statement is **CORRECT**?

(a) Anything that surrounds any living organism is called hydrosphere.

(b) Biosphere is the solid hard layer of the earth

(c) The atmosphere is the thin layer of air that surrounds the earth.

(d) Everything that surrounds us is man made.

12. In the question given below there are two statements marked as Assertion

(A) and Reason (R) Read the statement and choose the correct answer.

Assertion(A): India was invaded many times in the eleventh and twelfth centuries by Muslim rulers such as Mahmud Ghazni and Muhammad Ghori.

Reason(R): They wanted to rule over India.

13. What was the original full name of UNICEF?

(a) United Nations International Children's Emergency Fund

(b) Union Nations International Children's Education Facility

(c) Union Nations International Children's Emergency Facility

(d) United Nations International Children's Education Fund

14. Identify the kingdom with the help of the following information

(v) Worked as subordinate to the Pallava kings

(vi) In 985, Rajaraja I came to power and expanded the empire even more.

(vii) Agriculture was the main source of revenue

(viii) Vetti was one of the important tax levied on the people.

- (a) Cholas (b) Pandayas (c) Chauhan's (d) None of these.

15. In the question given below there are two statements marked as Assertion

(A) and Reason (R) Read the statement and choose the correct answer.

Assertion (A): Historians have to read different manuscripts versions of the same text.

Reason (R): With changing time not only grammar and vocabulary but the meaning of words also changes.

- (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.
(c) A is correct but R is wrong.
(d) A is wrong but R is correct.

16. Arrange the following in correct sequence with respect to Rock cycle.

- (v) Igneous rocks formed by the solidification of lava or magma.
(vi) Under great heat and pressure metamorphic rock formed.
(vii) Grains of sediments form sedimentary rocks.
(viii) Lava cools down on the surface of the earth.

- (a) i, iv, ii, iii (b) iv, i, iii, ii (c) iii, ii, iv, ii (d) ii, i, iii, iv

17. Which of the following statement is **CORRECT**?

- (a) Anything that surrounds any living organism is called hydrosphere.
(b) Biosphere is the solid hard layer of the earth
(c) The atmosphere is the thin layer of air that surrounds the earth.
(d) Everything that surrounds us is man made.

18. In the question given below there are two statements marked as Assertion

(A) and Reason (R) Read the statement and choose the correct answer.

Assertion(A): India was invaded many times in the eleventh and twelfth centuries by Muslim rulers such as Mahmud Ghazni and Muhammad Ghori.

Reason(R): They wanted to rule over India.

- (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.
- (c) A is correct but R is wrong.
- (d) A is wrong but R is correct.

19. In the question given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option:

Assertion(A): Thin layer of atmosphere protect us from ultraviolet rays.

Reason(R): Ozone layer present in atmosphere does not allow ultraviolet rays to pass through it.

- (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.
- (c) A is true but R is false.
- (d) A is false but R is true

20. In the question given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option:

Assertion (A): Health situation of most people in our country (India) is not good.

Reason(R): Poor technology causes poor health of people in India.

- (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.
- (c) A is true but R is false.
- (d) A is false but R is true

21. What kind of tax is vetti?

- (a) Rent given
- (b) Revenue
- (c) Forced labor
- (d) None of the given

22. The process of transformation of the rock from one form to another is called

- (a) Water cycle
- (b) Road cycle
- (c) Rock cycle
- (d) All of the given

23. Identify the kind of rock with the help of the following picture



- (a) Igneous rocks (b) Sedimentary rocks (c) Metamorphic rocks (d) None of the given

24. Which of the following statement is **INCORRECT**?

- (a) The idea of universal adult franchise is based on the idea of equality.
(b) The poverty is one of main basis of inequality in India.
(c) Apart from poverty, people in India experience inequality in different ways.
(d) Right to vote is based on the birth to a specific community in India.

25. Identify the rock with the help of the following information: -

- (i) These rocks contain fossils.
(ii) Sandstone, limestone, and shale are some of its examples.
(iii) These rocks are formed of very small pieces of broken rocks, minerals, and organisms.
(iv) It can change into metamorphic rocks under great heat and pressure.

- (a) Igneous rocks (b) Sedimentary rocks (c) Metamorphic rocks (d) None of the given

26. Match the following: -

(a) Cholas	(i) Bengal
(b) Chauhan's	(ii) Tamil Nadu
	(iii) Ajmer and Delhi

SECTION- B

VERY SHORT ANSWER TYPE QUESTIONS

27. Who is a 'cartographer'?
28. Name the first state where mid-day meal was started.
29. Who were the parties involved in Tripartite struggle?
30. What are the components of environment?

SECTION- C

SHORT ANSWER TYPE QUESTIONS

31. What type of titles were adopted by new kings?
32. Define rock cycle.
33. Who was considered a 'foreigner' in the past?
34. In a democracy why is Universal Adult Franchise important?

SECTION- D

LONG ANSWER TYPE QUESTIONS

35. How were the affairs of Jati's regulated?
36. What were the qualifications necessary to become a member of a committee of the Sabha in the cholaempire?

SECTION- E

CASE BASED STUDY QUESTIONS

37. The earth is a dynamic planet because it is constantly undergoing changes inside and outside. It is made up of rocks. The earth is made up of several concentric layers with one inside another. There are three types of layers- crust, mantle, and core. The Crust is the uppermost layer over the earth's surface which is about 35 km on the continental masses and only 5 km on the ocean floors. Continental mass is constituent of silica and alumina

constituents; thus it is called sial. The oceanic crust mainly consists of silica and magnesium; it is therefore called sima (si-silica and ma-magnesium). Mantle is just beneath the crust which extends up to a depth of 2900 km. below the crust. The innermost layer is the core with a radius of about 3500 km. It is mainly made up of nickel and iron and is called nife (ni – nickel and fe – ferrous i.e. iron).

1. Which is the thinnest layer of the earth?
2. Name the minerals consisted in oceanic crust.
3. Which is the innermost layer of the earth?
4. What is crust?

38. Cholas were the subordinate to the Pallava kings of Kanchipuram. Vijayalaya, who belonged to the ancient chiefly family of the Cholas from Uraiyur, captured the delta from the Muttaraiyar in the middle of the ninth century. He built the town of Thanjavur and a temple for goddess Nishumbhasudini there. The successors of Vijayalaya conquered neighbouring regions and the kingdom grew in size and power. The Pandyan and the Pallava territories to the south and north were made part of this kingdom. Rajaraja I, considered the most powerful Chola ruler, became king in 985 and expanded control over most of these areas. He also reorganised the administration of the empire. Rajaraja's son Rajendra I continued his policies and even invaded the Ganga valley, Sri Lanka and countries of Southeast Asia, developing a navy for these expeditions.

1. Who built the temple of Nishumbhasudini?
2. Name the chola king who reorganised the administration of the empire.
3. Who is considered as the most powerful chola ruler?
4. Name any one country invaded by the cholas.

39. We can think of health in many ways. Health means our ability to remain free of illness and injuries. But health isn't only about disease. The factors that affect health are Diseases, polluted water, and atmosphere. We can roughly divide up various health care facilities in two categories – (a) Public health services and (b) Private health facilities. The public health service is a chain of health centres and hospitals run by the government. They are linked together so that they cover both rural and urban areas and can also provide treatment to all kinds of problems – from common illnesses to special services. At the village level there are

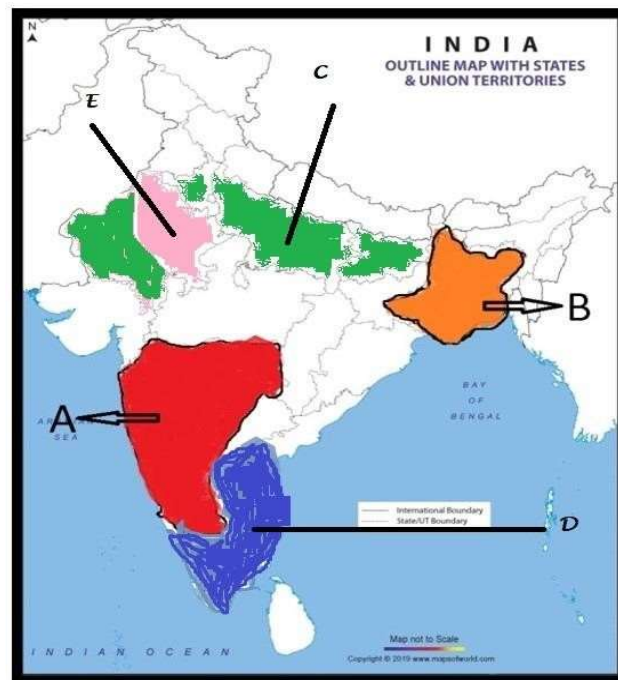
health centres where there is usually a nurse and a village health worker. They are trained in dealing with common illnesses and work under the supervision of doctors at the Primary Health Centre (PHC). Such a centre covers many villages in a rural area. At the district level is the District Hospital that also supervises all the health centres.

1. Define Health.
2. Name some factors that affect our health.
3. What are the two categories in which health care is provided?
4. Explain public health service?

SECTION-F

MAP SKILLED BASED QUESTIONS

40. On the given political map of India identify the following: -



- 34.1 The major kingdom whose famous king performed Golden womb ritual.
- 34.2 Kingdom involved in Tripartite struggle is marked as 'B'
- 34.3 Famous kingdom marked as C.
- 34.4 Kingdom famous for building temples.
- 34.5 Kingdom marked as 'E' whose famous ruler was Prithvi raj.

HINDI HOMEWORK

ACTIVITIES

SECTION A

1. (ROLL NO 1-10) छुट्टियों में अपने दादा-दादी, नाना-नानी या माता पिता से नैतिक मुल्यों को दर्शानेवाली कहानियाँ सुनें और कोई दो कहानियाँ अपने शब्दों में लिखें।
2. (ROLL NO 11-20) हिंदी साहित्य में महादेवी वर्मा का महत्वपूर्ण स्थान है। उन्होंने अपनी लेखनी के माध्यम से पाठकों के हृदय पर अलग ही छाप छोड़ी है। छायावाद युग के महत्वपूर्ण स्तंभों में से एक महादेवी वर्मा हिंदी की विभिन्न विधाओं में पारंगत थी। उनके द्वारा रचित रेखा चित्रों में से गिल्लू, गौरा और सोना पाठकों पर अलग ही प्रभाव छोड़ते हैं। महादेवी वर्मा कृत रेखाचित्र गिल्लू, गौरा और सोना को पढ़ें और उन में से किसी एक की समीक्षा करें।
3. (ROLL NO 2 1-30) रोटी के निर्माण की कहानी अपने शब्दों में लिखें
4. (ROLL NO 3 1-40) कौआ और कोयल पर्यावरण के महत्वपूर्ण अंग हैं किंतु कर्कश वाणी के कारण कौए का लोग निरादर करते हैं जबकि कोयल की मधुर वाणी सुनने के लिए लोग लालायित रहते हैं। आपकी दृष्टि में क्या यह भेदभाव सही है, अपने विचार प्रस्तुत कीजिए।

SECTION B

5. (ROLL NO 1-10) घर पर आपको पीने का पानी कहाँ से मिलता है? कौन इसे लाता है या संग्रहित करता है? यह कैसे संग्रहित किया जाता है या क्यों संग्रहित करते हैं? इस विषय पर अपने विचार प्रस्तुत करें।
6. (ROLL NO 2 1-20) लोग अपने परिवार या अपने घरों और सामानों को खोने पर बहुत कठिनाइयों का सामना करते हैं। पिछले 1 महीने में दुनिया के विभिन्न हिस्सों की ऐसी खबरों को इकट्ठा करें और एक कोलाज तैयार करें।
7. (ROLL NO 2 1-30) भारतीय राष्ट्रीय ध्वज में तीन रंग तथा अशोक चक्र क्या दर्शाता है सचित्र वर्णन करें।
8. (ROLL NO 3 1-40) माता-पिता का हमारे जीवन में क्या महत्व है? क्या उनके बिना हम जीवन यापन की कल्पना कर सकते हैं? इस पर प्रकाश डालें।

SECTION C

9. (ROLL NO 1-10) कल्पना करें कि आप एक पहाड़ पर हैं और आप वहाँ कैसा महसूस करते हैं? वहाँ के प्राकृतिक दृश्यों को देखकर आनंद के मन में क्या विचार उमड़ते हैं? वर्णन करें।
10. (ROLL NO 11-20) शिक्षा और खेलकूद हमारे लिए क्यों आवश्यक है? शिक्षा ग्रहण करने के बाद अपने जीवन के लक्ष्य पर प्रकाश डालिए।
11. (ROLL NO 21-30) उन दस क्रिया-कलापों की सूची तैयार कीजिए जिनके लिए पानी की आवश्यकता होती है। कम पानी से अधिक पानी की आवश्यकता के क्रम में उन्हें व्यवस्थित करें और स्पष्ट करें कि उन्हें कम या ज्यादा पानी की आवश्यकता क्यों होती है?
12. (ROLL NO 31-40) जब आप बीमार हो जाते हैं, तो क्या आप घरेलू नुस्खों पर आधारित दवा लेते हैं? आप क्या लेते हैं जब आपको—

चोट लगती है _____
पेट दर्द होता है _____
खाँसी या जुकाम होता है _____
दाँत में दर्द होता है _____
आँख में दर्द _____
घुटनों में दर्द _____
तनाव मुक्ति _____
कमर दर्द _____
कान दर्द _____
सर दर्द _____

SECTION D

- 13 (ROLL NO 1-10) जब आपको भूख लगती है तो आप कैसा महसूस करते हैं?
अगर आप दो दिन तक कुछ नहीं खाते हैं तो क्या होगा? तर्क सहित उत्तर दीजिए।
- 14 (ROLL NO 11-20) भारत के कोई 20 राज्य और उन राज्यों में बोले जाने वाली भाषाओं की सूची तैयार कीजिए और बताइए कि भाषा का जीवन में क्या महत्त्व है?
- 15 (ROLL NO 21-30) भारत की प्रमुख महानदी गंगा के उद्गम स्थान गंगोत्री का सचित्र वर्णन करें।
- 16 (ROLL NO 31-40) आपके जीवन में आपके परिवार की क्या भूमिका है 200 से 250 शब्दों में लिखिए।

SECTION E

- 17 (ROLL NO 1-10) प्राकृतिक आपदाओं के कारण एवं उनसे बचाव के उपायों पर अपने विचार प्रस्तुत करें।
18. (ROLL NO 11-20)लॉकडाउन के दौरान आपने अपनी रोग प्रतिरोधक क्षमता तथा अपनी मानसिक मजबूती को बनाए रखने के लिए क्या-क्या उपाय किए? अपने अनुभव साँझा कीजिए।
19. (ROLL NO 1-10) वृद्धाश्रम में बजुर्गों की बढ़ती संख्या चिंता का विषय है । इससे छुटकारा पाने के लिए क्या उचित कदम उठाए जा सकते हैं, सोच कर अपने शब्दों में लिखिए।
- 20 (ROLL NO 21-30) आपका पसंदीदा खेल कौन सा है और क्यों है? जिसे आप सबसे ज्यादा खेलना पसंद करते हैं। उस खेल की विशेषताओं का उल्लेख करते हुए एक एल्बम तैयार कीजिए।

SECTION F

- 1 (ROLL NO 1-10) छुट्टियों में अपने दादा-दादी, नाना-नानी या माता पिता से नैतिक मुल्यों को दर्शानेवाली कहानियाँ सुनें और कोई दो कहानियाँ अपने शब्दों में लिखें।
2. (ROLL NO 11-20) हिंदी साहित्य में महादेवी वर्मा का महत्त्वपूर्ण स्थान है । उन्होंने अपनी लेखनी के माध्यम से पाठकों के हृदय पर अलग ही छाप छोड़ी है । छायावाद युग के महत्त्वपूर्ण स्तंभ में से एक महादेवी वर्मा हिंदी की विभिन्न विधाओं में पारंगत थी । उनके द्वारा रचित रेखा चित्रों में से गिल्लू, गौरा और सोना पाठकों पर अलग ही प्रभाव छोड़ते हैं । महादेवी वर्मा कृत रेखाचित्र गिल्लू, गौरा और सोना को पढ़ें और उन में से किसी एक की समीक्षा करें।
3. (ROLL NO 21-30) रोटी के निर्माण की कहानी अपने शब्दों में लिखें
4. (ROLL NO 31-40) कौआ और कोयल पर्यावरण के महत्त्वपूर्ण अंग हैं किंतु कर्कश वाणी के कारण कौआ का लोग निरादर करते हैं जबकि कोयल की मधुर वाणी सुनने के लिए लोग लालायित रहते हैं। आपकी दृष्टि में क्या यह भेदभाव सही है, अपने विचार प्रस्तुत कीजिए।

SECTION G

5. (ROLL NO 1-10) घर पर आपको पीने का पानी कहां से मिलता है ? कौन इसे लाता है या संग्रहित करता है ? यह कैसे संग्रहित किया जाता है या क्यों संग्रहित करते हैं ? इस विषय पर अपने विचार प्रस्तुत करें।
6. (ROLL NO 2 1-20) लोग अपने परिवार या अपने घरों और सामानों को खोने पर बहुत कठिनाइयों का सामना करते हैं। पिछले 1 महीने में दुनिया के विभिन्न हिस्सों की ऐसी खबरों को इकट्ठा करें और एक कोलाज तैयार करें।
7. (ROLL NO 2 1-30) भारतीय राष्ट्रीय ध्वज में तीन रंग तथा अशोक चक्र क्या दर्शाता है सचित्र वर्णन करें।
8. (ROLL NO 31-40) माता-पिता का हमारे जीवन में क्या महत्त्व है? क्या उनके बिना जीवन यापन की कल्पना कर सकते हैं? इस पर प्रकाश डालें।

SECTION H

9. (ROLL NO 1-10) कल्पना करें कि आप एक पहाड़ पर हैं और आप वहाँ कैसा महसूस करते हैं? वहाँ के प्राकृतिक दृश्यों को देखकर आनंद के मन में क्या विचार उमड़ते हैं? वर्णन करें।
10. (ROLL NO 11-20) शिक्षा और खेलकूद हमारे लिए क्यों आवश्यक है ? शिक्षा ग्रहण करने के बाद अपने जीवन के लक्ष्य पर प्रकाश डालिए।
11. (ROLL NO 21-30) उन दस क्रिया-कलापों की सूची तैयार कीजिए जिनके लिए पानी की आवश्यकता होती है। कम पानी से अधिक पानी की आवश्यकता के क्रम में उन्हें व्यवस्थित करें और स्पष्ट करें कि उन्हें कम या ज्यादा पानी की आवश्यकता क्यों होती है?
12. (ROLL NO 31-40) जब आप बीमार हो जाते हैं, तो क्या आप घरेलू नुस्खों पर आधारित दवा लेते हैं? आप क्या लेते हैं जब आपको—
चोट लगती है _____
पेट दर्द होता है _____
खाँसी या जुकाम होता है _____
दौत में दर्द होता है _____
आँख में दर्द _____
घुटनों में दर्द _____
तनाव मुक्ति _____
कमर दर्द _____
कान दर्द _____
सर दर्द _____

WORKSHEETS

निर्देश:-

1. कृपया कार्यपत्रिका के उत्तर लिखना शुरू करने से पहले क्रमांक अवश्य लिखें ।
2. इस कार्यपत्रिका के चार खंड हैं क, ख, ग और घ
3. चारों खंडों के प्रश्नों के उत्तर देना अनिवार्य हैं ।
4. यथासंभव प्रत्येक खंड के उत्तर क्रमानुसार दीजिए।

(खंड क) (अपठित बोध)

प्र०1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे हुए प्रश्नों के उत्तरों के सही विकल्प

चुनिए:-

संस्कृति का सामान्य अर्थ है, मानव जीवन के दैनिक आचार-व्यवहार, रहन-सहन तथा क्रिया-कलाप आदि। वास्तव में संस्कृति का निर्माण एक लंबी परम्परा के बाद होता है। संस्कृति विचार व आचरण के वे नियम और मूल्य हैं जिन्हें कोई अपने अतीत से प्राप्त करता है। इसलिए कहा जाता है कि इसे हम अतीत से अपनी विरासत के रूप में प्राप्त करते हैं। दूसरे शब्दों में कहें तो संस्कृति एक विशिष्ट जीवन-शैली का नाम है। यह एक सामाजिक विरासत है जो परंपरा से चली आ रही होती है। प्रायः सभ्यता और संस्कृति को एक ही मान लिया जाता है, परंतु इनमें भेद हैं। सभ्यता में मनुष्य के जीवन का भौतिक पक्ष प्रधान है अर्थात् सभ्यता का अनुमान भौतिक सुख-सुविधाओं से लगाया जा सकता है। इसके लिए विपरीत संस्कृति को आत्मा माना जा सकता है। इसलिए इन दोनों को अलग-अलग करके नहीं देखा जा सकता। वास्तव में दोनों एक-दूसरे के पूरक हैं। इनका विकास भी साथ-साथ होता है। अंतर केवल इतना है कि सभ्यता समय के बाद बदलती रहती है, किंतु संस्कृति शाश्वत रहती है।

(क) संस्कृति का क्या अर्थ है?

(ख) संस्कृति को विरासत का स्वरूप क्यों कहा जाता है?

(ग) सभ्यता और संस्कृति में क्या भेद है?

(घ) सभ्यता और संस्कृति का क्या अर्थ है?

(ङ) गद्यांश को उचित शीर्षक दीजिए।

(खंड ख)

10 2. निर्देशानुसार उचित विकल्प चुनकर लिखिए।

1. दवंदव समास का उदाहरण क्या होगा ?
क. नीलकंठ ख. धीरे-धीरे ग. माँ-बाप घ. तिराहा
2. आकाश का विलोम शब्द है —
क. जमीन ख. धरती ग. पाताल घ. हवा
3. आँख का पर्यायवाची शब्द क्या होगा?
क. नेत्र ख. पवन ग. फल घ. बाग
4. वाक्य पूरा करें — कोशिश करने वालों की कभी
क. हार नहीं होती । ख. हार होती है ।
ग. जीत होती है । घ. मुश्किल होती है ।

5. रामायण' संज्ञा का कौन-सा भेद है ?
क. जातिवाचक ख. व्यक्तिवाचक ग. भाववाचक घ.द्रववाचक
6. इनमें से कौन-सा भाववाचक शब्द है ?
क. राम ख. पानी ग. शहर घ. मिठास
7. खरगोश तेज भागता है । इस वाक्य में तेज क्या है ?
क. सर्वनाम ख. क्रिया ग. क्रियाविशेषण घ. विशेषण
8. सावधानी में प्रत्यय है :-
क. ई ख. आनी ग. धानी घ. इ
9. किस शब्द में उपसर्ग का प्रयोग हुआ है ?
क. लाभदायक ख. अनपढ़ ग. खतरा घ. खुशी
10. शुद्ध वर्तनी का चयन कीजिए -
क. कृपा ख. क्रिपा ग. कर्पा घ. क्रपा
11. इनमें से कौन-सा शब्द सर्वनाम है ?
क. हम ख. लाना ग. मित्र घ.तीनों में से कोई भी नहीं
12. निम्नलिखित में से कौन-सा अल्प विराम चिह्न है ?
क. । ख. ? ग. , घ. ()
13. गुणवाचक विशेषण छाँटिए
क काला व्यक्ति ख. दस रुपये ग. दो मन अनाज घ. वह पुस्तक
14. कौन-सा शब्द भाव वाचक संज्ञा नहीं है
क सफलता ख लड़ाई ग. युवती घ. यौवन
15. श्रीमान.....बड़ी दूर से आया हूँ। (रिक्त स्थान की पूर्ति कीजिए)
क तुम ख. मैं ग. हम घ. वह
16. परिमाणवाचक विशेषण छाँटिए
क. दस लीटर दूध ख. बीस गाय ग. लखनवी घ. यह घर
17. प्रणाम का संधि-विग्रह होगा
क. प्रण. आम ख. प्र. णाम ग. प्रण. नाम घ. प्र. नाम
18. हाथ मलना का अर्थ है
क. शोक मनाना ख. बहुत पछताना ग. भाग जाना घ. सरल काम
19. 'आँखें खुलना' मुहावरे का अर्थ है
क. बेहोश होना ख. डराना ग. होश आना घ. तैयार होना
20. 'कान भरना' मुहावरे का अर्थ है
क. चुगली करना ख. धोखा देना ग. चालाक होना घ. शोर करना
21. " आ बैल मुझे मार" का अर्थ है:-
क. स्वयं मुसीबत मोल लेना ख. बैल को अपने पास बुलाना
ग. किसी से पिट जाना घ. इनमें से कोई नहीं
22. " अब पछताए होत क्या जब चिड़ियाँ चुग गईं खेत" ,का अर्थ है:-
क. चिड़िया के खेत चुनने पर अच्छी फसल नहीं होती

- ख. किसी का दिल नहीं दुखाना चाहिए
 ग. समय बीत जाने पर पछताना व्यर्थ है।
 घ. इनमें से कोई नहीं।

23. नर. इंद्र = ----- घ संधि कीजिये -
 क. नरेन्द्र ख. नरिंद्र ग. नारेन्द्र घ. नरेश
24. अग्नि - आग , अनल , ज्वाला , ----- , और एक पर्यायवाची शब्द इनमें से कौन है-
 क. तिमिर ख. पाहुन ग. पावक घ. सोम
25. महीने में एक बार होने वाला - इसके लिए एक उपयुक्त शब्द कौन सा होगा -
 क. पाक्षिक ख. मासिक ग. साप्ताहिक घ. वार्षिक
26. बहाव' शब्द में प्रयुक्त प्रत्यय कौन-सा है ?
 क. बह ख. हाव ग. आव घ. आवा
27. 'खरी-खोटी सुनाना' मुहावरे का अर्थ होगा
 क. अच्छी कहानी ख. विनाश करना ग. याद रखना घ. भला-बुरा कहना
28. धुंधला' शब्द में प्रयुक्त प्रत्यय है-
 क. धुं ख. धुंध ग. ला घ. इनमें से कोई नहीं
29. दविगु समास का उदाहरण क्या होगा ?
 क. प्रतिदिन ख. धीरे-धीरे ग. माँ-बाप घ. तिराहा
30. 4. 'एक पंथ दो काज' का अर्थ है:-
 क. एक रास्ते पर दो सड़कें ख. दो लोगों का एक काम करने जाना
 ग. एक कार्य से दो लाभ घ. इनमें से कोई नहीं

(खंड ग)

- प्र03. पठित पाठों के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए -
- क. कठपुतली' कविता के माध्यम से कवि क्या संदेश देना चाहता है? कठपुतलियाँ किसका प्रतीक हैं?
- ख. सिंधु और ब्रह्मपुत्र के उद्गम के बारे में लेखक का क्या विचार है और उसने समुद्र को सौभाग्यशाली क्यों कहा गया है?
- ग. पक्षी मनुष्यों से क्या चाहते हैं? कविता "हम पंछी उन्मुक्त गगन के" हमें किस बात के लिए प्रेरित करती है?
- घ. हिमालय से निकलने वाली प्रमुख नदियों के नाम लिखिए तथा बताइए कि लेखक ने उनके अस्तित्व के विषय में क्या विचार किया है?
- ङ. आप नदियों को किस रूप में देखते हैं? उनकी सफाई के लिए क्या प्रयास करते हैं या कर सकते हैं?
- च. कठपुतली को घागे में क्यों बाँधा जाता है? आपके विचार से किस कठपुतली ने विद्रोह किया होगा?
- छ. क्या आपको दूसरों के इशारों पर काम करना अच्छा लगता है? इसका तर्कसंगत उत्तर दीजिए।

प्र04. पठित पाठों के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए –

- क. अंबा ने भीष्म से किस प्रकार प्रतिशोध लिया?
- ख. जन्म देने के बाद भी कुंती अपने पुत्र को क्यों न अपना सकी?
- ग. वारणावत का महल किन-किन चीजों से तैयार किया गया था?
- घ. कर्णिक नाम के ब्राहमण ने धृतराष्ट्र से पांडवों के विरुद्ध क्या कहा?
- ड. व्यास जी ने महाभारत की कथा सबसे पहले किसे कंठस्थ कराई थी?
मानव जाति में महाभारत की कथा का प्रचार- प्रसार किसके द्वारा हुआ?

(खंड घ)

प्र:5. निम्नलिखित में से किसी एक विषय पर 100-120 शब्दों में अनुच्छेद लिखिए-

मेरे जीवन का लक्ष्य

संकेत बिंदु

- जीवन में लक्ष्य की आवश्यकता
- आपका लक्ष्य क्या है ?
- बनकर क्या करेंगे ?

या

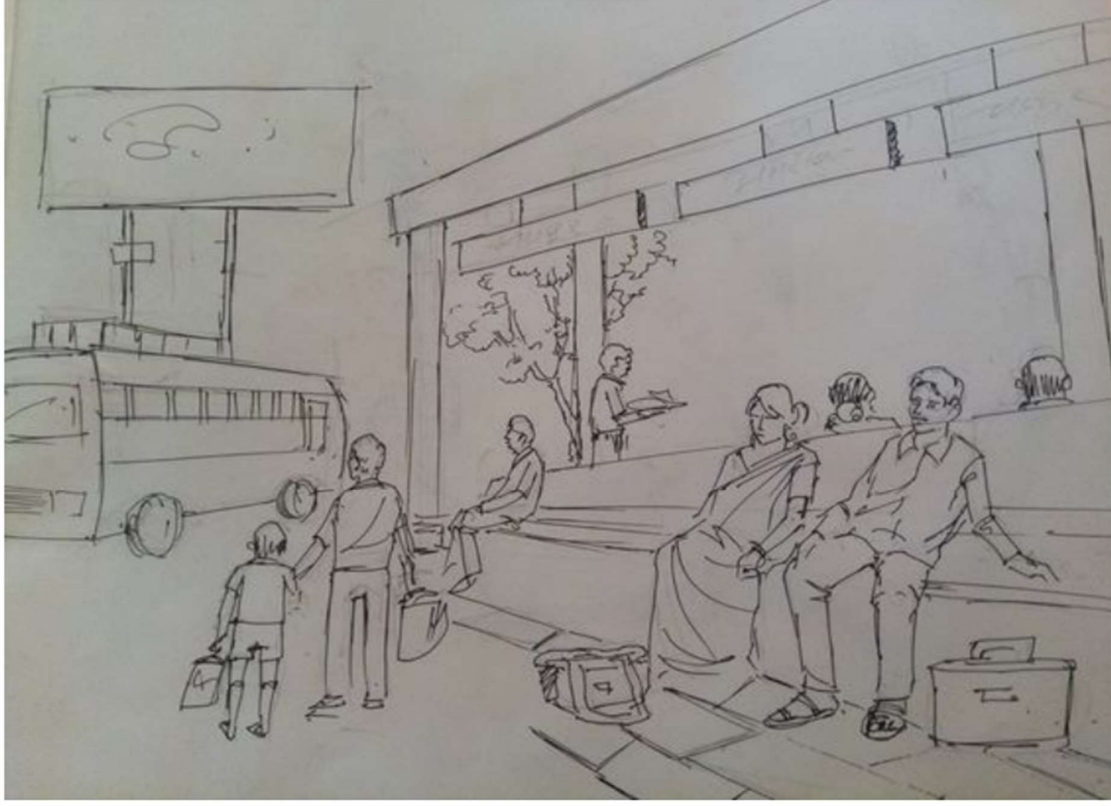
मधुर वाणी का प्रभाव
संकेत बिंदु

- वाणी की मधुरता का अर्थ
- मधुर वाणी का प्रभाव
- मधुर वाणी की आवश्यकता

प्र.6 क. निम्नलिखित चित्र के आधार पर 50-60 शब्दों में चित्र का वर्णन अपने शब्दों में कीजिए।



ख. निम्नलिखित चित्र के आधार पर 50-60 शब्दों में चित्र का वर्णन अपने शब्दों में कीजिए।



शब्द कोष

निम्नलिखित शब्दों के दो-दो समानार्थी शब्द और विलोम शब्द लिखें एवं याद करें:-

उदाहरण

शब्द
स्वामी

विलोम शब्द
सेवक

समानार्थी शब्द
मालिक, ईश्वर, पति

1. अंगीकार

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2. अंतर्द्वंद

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3. अंतर्मुख

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4. अतिवृष्टि

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अधित्यका

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6. अनुग्रह

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7. अनुरक्त

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8. अर्पण

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9. अभिज्ञ

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10. अर्चन

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11. अल्पज्ञ

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12. ईष्ट

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13. इहलोक

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14. उत्कर्ष

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15. उत्कृष्ट

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16. उत्थान

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17. उन्नति

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18. उर्वरा

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19. एड़ी

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20. ऐश्वर्य

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21. ऐहिक

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22. औचित्य

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23. कनिष्ठ

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24. कृतज्ञ

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25. कीर्ति

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26. कृत्रिम

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27. कृष्ण

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28. क्रूर

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29. क्षणिक

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30. खाद्य

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31. क्षम्य

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32. क्षुद्र

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33. गुप्त

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34. ग्राह्य

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35. घात

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36. जटिल

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35. घात	36. जटिल
37. ज्येष्ठ	38. तामसिक
39. दुर्गम	40. दुर्बल
41. दूषित	42. नश्वर
43. निष्काम	44. नेकी
45. न्यून	46. पुष्ट
47. प्रवृत्ति	.....	.....	48. बर्बर	.....	.....
49. मर्त्य	.....	.....	50. मृदुल	.....	.....

SANSKRIT HOMEWORK

(वर्ग:-अ)

प्रदत्तकार्यम्:-

नोट- छात्राः कार्याणि संस्कृत अभ्यासपुस्तिकायाम् एव लेखिष्यन्ति। (सभी छात्र अपने रोल नंबर के अनुसार इस कार्य को अपनी संस्कृत नोटबुक में ही करेंगे।)

1. अनुकमांक 1 तः 10 — बालक एवं (किम् शब्द त्रिषु लिंगेषु) शब्दरूपाणि संस्कृत अभ्यासपुस्तिकायां लिखित्वा स्मरिष्यन्ति पितरौ श्रावयिष्यन्ति च। (रोल नंबर 1 से 10 तक — बालक शब्द (किम् शब्द तीनों लिंगों में) याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)
2. अनुकमांक 11 तः 20 — धातुरूप - चर् एवं स्था धातु रूपाणि चतुर्षु लकारेषु संस्कृत अभ्यासपुस्तिकायां लिखित्वा स्मरिष्यन्ति पितरौ श्रावयिष्यन्ति च। (रोल नंबर 11 से 20 तक — चर् एवं स्था आदि धातु रूपों को चारों लकारों में याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)
3. अनुकमांक 21 तः 30 — संस्कृत वर्णमाला स्वर एवं व्यञ्जन संस्कृत अभ्यासपुस्तिकायां लिखित्वा स्मरिष्यन्ति पितरौ श्रावयिष्यन्ति च। (रोल नंबर 21 से 30 तक — संस्कृत वर्णमाला स्वर एवं व्यञ्जन को याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)
4. अनुकमांक 31 तः 40 — संस्कृत-संख्या 1 तः 50 संस्कृत पदलेखनम् एवं समय लेखनम् श्श आदि धातु लट् लकारे संस्कृत अभ्यासपुस्तिकायां लिखित्वा स्मरिष्यन्ति पितरौ श्रावयिष्यन्ति च। (रोल नंबर 31 से 40 तक — संस्कृत में संख्या 1 से 50 और समय श्श को याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)

(वर्ग:-ब)

प्रदत्तकार्यम्:-

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4. अनुकमांक 31 तः 40 — बालक एवं (किम् शब्द त्रिषु लिंगेषु) शब्दरूपाणि संस्कृत अभ्यासपुस्तिकायां लिखित्वा स्मरिष्यन्ति पितरौ श्रावयिष्यन्ति च।(रोल नंबर 31 से 40 तक — बालक शब्द (किम् शब्द तीनों लिंगों में) याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)

(वर्ग:-स)

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स्वर एवं व्यञ्जन को याद करके माता पिता को सुनाकर फिर अपनी नोटबुक में लिखें।)

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(वर्ग:-द)

प्रदत्तकार्यम्:-

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(वर्ग:-ई)

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(वर्ग:-एफ)

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(वर्ग:-जी)

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COMPUTER HOMEWORK

ACTIVITIES

ROLLNO 1-10

Using Internet (Google search engine) search & download 10 famous IT personality photos and print in sticker size, paste them on sheets and write about his/her invention in brief.

ROLLNO 11-20

Make a list of “10 famous apps which you use in your day to day life and paste the picture of CEO” (chief executive officers) of the Company on sheets in a table format in sticker size.

ROLLNO 21-30

Find out the following information of any modern type of the gadgets being used during the lockdown. Company Name, Logo of the company, Technology used, Features ,CEO of the Company, Company Headquarters in a table format on sheets.

ROLLNO 31-40

Design a poster to advertise your SCIENCE FAIR in MS-WORD Document.

WORKSHEETS

1. Convert the following Decimal numbers to their Binary equivalents:

- a) 15
- b) 13
- c) 24
- d) 532

2. Convert the following Binary numbers to their Decimal equivalents:

- a) 10101010
- b) 11101100
- c) 10000001
- d) 10001111

3. Convert the following Octal numbers to their Decimal equivalents:

- a) 128
- b) 147
- c) 457
- d) 123

4. Way of representing numbers in 0's and 1's form is referred to as

- a) binary notation
- b) decimal notation
- c) hexadecimal notation
- d) octal notation

5. Decimal number 5 in Binary coding is equal to

- a) 101
- b) 1001
- c) 1010

d) 1100

6. Convert the following binary numbers into decimal numbers:

a) 100

b) 101

c) 110

d) 011

SHORT ANSWER QUESTIONS:

7. Name the most popular number system.

8. How do digital computers store numbers, letters and other characters?

9. Name two states which computer can understand.

10. Which language computer can understand and why?

11. Why do we need Number Systems?

12. Name the famous mathematician who introduced the concept of 0(zero).

Q13: -FILL IN THE BLANKS-

(i) is a type of computer virus.

(ii) is an antivirus software program.

(iii) A virus can files on a computer system.

(iv) Worms are viruses that copy themselves and spread everywhere to affect the of a computer system.

(v) is a program usually designed to irritate operators or harm a computer system.

(vi) are viruses that may appear in form of infected videos, games etc.

(vii) Computer virus does not damage the and

(viii) A virus can attack a computer system by entering through an

-
- (ix) is a software used to detect and delete viruses present on a computer system.
- (x) A computer virus program may itself to the hard disk and system files.

Q14: -Write the effects of these viruses –

- (i) BOMBS
- (ii) TROJANS
- (iii) WORMS

Q15:-Identify the types of viruses that infect the following types of files

- (i) EXE
- (ii) An Excel document
- (iii) Boot records of a hard disk

Q16. Unscramble the jumbled words with the help of clue given:

- (i) N M E A _____ (It arranges icons in an alphabetical order)
- (ii) F E I L A M N E _____ (It is a name given to a file)
- (iii) I E Z S _____ (It arranges Icons in the order of file size)
- (iv) S B U O R F L E D _____ (It is a folder within another folder)
- (v) E M R N E A _____ (It helps in changing the name of a
file/folder)