

PM SHRI KENDRIYA VIDYALAYA AFS, THANJAVUR

Holiday Homework for Winter Break

Class – VI

Session 2023-24

ENGLISH

Section A: Reading

I) Read the following paragraph carefully and answer the given questions:

Halfway of the tree I had built a crude platform where I would spend the afternoons when it was not too hot. I could read there roping myself up against the tree with a cushion from the living room. Treasure Island, Huckleberry Finn and The Story of Dr Dolittle were some of the books that made up my Banyan Tree library. When I did not feel like reading, I could look down through the leaves at the world below. And on one particular afternoon I had a grand stand view of that classic of the Indian wilds, a fight between a mongoose and a snake.

The warm breezes of approaching summer had sent everyone, including the gardener, into the house. I was feeling drowsy myself, wondering if I should go to the pond and have a swim with Ramu and the buffaloes, when I saw a huge black cobra gliding out of a clump of cactus. At the same time a mongoose emerged from the bushes and went straight for the cobra.

Questions:

1. What did the child build on the tree?
2. What did the child do on the platform?
3. What did the child see one day?
4. What does the 'warm breezes' suggest?
5. From where did the snake emerge?
6. Who went straight to attack a cobra?

Writing

1. You are Kiran staying at B/12 Sai Nagar, Tirunelveli. Write a letter to the editor of a local newspaper requesting him/her to spread awareness among the readers about the effects of junk food.

2. You are the class leader of your class. The physics teacher asked you to bring all the students to the physics lab. Write a message on the blackboard telling them to come to the lab with their physics books and other necessary equipment.

Grammar

1. Which of the following is a proper noun?
 - a) Park
 - b) School
 - c) New York city

2. Which of the following is a collective noun?
 - a) London
 - b) India
 - c) birds

3. Underline the nouns in this sentence: 'Tina loves ice cream'.

4. Fill in the blank with an appropriate collective noun: 'He was chased by a of bees'.

5. Circle the abstract noun in this sentence: 'We have a lot of hope for the future'.

6. Rewrite the sentence with the correct preposition: 'There is no water supply on the town today'.

7. Choose the correct preposition to complete the sentence: 'She placed the plates on the dining table'.
 - a) At
 - b) On
 - c) Between

Fill in the blanks with the correct form of helping verbs (are/am/is):

8. Penny ___ my sister.
9. I ___ very interested in the new project.
10. We ___ best friends.

Select the correct form of the verb given in brackets:

11. Rita ___ a mile every day. (run/runs)
12. The dogs ___ all night. (barks/bark)
13. We ___ in the park in the evenings. (play/plays)

Use has/have/had appropriately:

14. Bernie ___ a meeting yesterday.
15. Do you want to ___ an ice cream?
16. The lion ___ a big mane.

Literature

1. Why were the sunrays keen to go down to the earth the next day?
2. Why was the crocodile's wife annoyed with her husband one day?
3. How did the monkey save himself?
4. Why was the Banyan Tree the noisiest place in the garden in spring?
5. What did the child mention about the hawker?

हिंदी/HINDI

प्रश्न. दिए गए पद्यांश को ध्यानपूर्वक पढ़िए और पूछे गए प्रश्नों के उत्तर दीजिए

अपने कर से खिला, धुला मुख
धूल पोंछ, सज्जित कर गात
थमा खिलौने, नहीं सुनाती
हमें सुखद परियों की बात!
ऐसी बड़ी न होऊँ मैं
तेरा स्नेह न खोऊँ मैं
तेरे अंचल की छाया में
छिपी रहूँ निस्पृह, निर्भय,
कहूँ, दिखा दे चंद्रोदय।

क- प्रस्तुत काव्यांश के कवि का नाम लिखिए।

ख- प्रस्तुत कविता का नाम लिखिए।

ग- बच्ची को परियों की बातें कैसी लगती हैं?

घ- बच्ची माँ से क्या दिखाने को कहती है?

च- 'निर्भय' शब्द का अर्थ लिखिए।

खंड- ख

प्रश्न- निम्नलिखित प्रश्नों के उत्तर दीजिए।

क- 'प्रकृति का जादू' किसे कहा गया है?

ख- हमारे यहाँ स्त्रियों के खास गीत कौन-कौन से हैं?

ग- करोड़ों वर्ष पहले हमारी धरती कैसी थी?

घ- जटायु ने रावण पर हमला क्यों किया?

च- कबंध कौन था?

खंड- ग

प्रश्न- निम्नलिखित मेंसे प्रश्नों के उत्तर दीजिए।

क- वाक्य प्रयोग के द्वारा 'निधन-निर्धन' शब्दों का अर्थ स्पष्ट कीजिए।

ख- लड्डूहोता है। (भुरभुरी/ मुलायम) कोष्ठक के शब्दों के आधार पर रिक्त स्थान की पूर्ति कीजिए।

ग- जिस प्रकार खट्टा, मीठा, तीखा स्वाद चखकर महसूस होता है वैसे ही छूकर क्या-क्या महसूस किया जाता है?

घ- 'दिन- दीन' का अर्थ लिखिए।

च- 'ढकेलना' शब्द का वाक्य प्रयोग कीजिए।

छ- 'लोक' शब्द जोड़कर दो नए शब्द बनाइए। (जैसे- लोक+कला = लोककला)

खंड-घ

प्रश्न- डॉक्टर और रोगी के बीच का संवाद लिखिए।

SANSKRIT

प्रश्न-1 अधोलिखितं गद्यांशं पठित्वा प्रश्नान् उत्तरत-

एकम् उद्यानम् अस्ति। उद्याने अनेके वृक्षाः पादपाः च सन्ति। पादपेषु सुन्दराणि पुष्पाणि विकसन्ति। बालकाः बालिकाः च आनन्देन क्रीडन्ति। उद्याने एकः तडागः अपि अस्ति। तडागे मीनाः, कच्छपाः, मकराः च तरन्ति। तडागस्य जले कमलानि सन्ति। उद्याने पवनः शनैः शनैः वहति। जनाः सुखेन भ्रमन्ति।

(क) एकपदेन उत्तरत (एक पद में उत्तर दीजिए)

1. पादपेषु कानि विकसन्ति?
2. के सुखेन भ्रमन्ति?
3. पवनः कथम् वहति?
4. तडागस्य जले कानि सन्ति?
- 5 "सुन्दराणि पुष्पाणि" अनयोः पदयोः किम् विशेष्यपदं?

प्रश्न-2 श्लोकांशान् योजयत-

क	ख
तस्मात् प्रियं हि वक्तव्यं	सर्वे तुष्यन्ति जन्तवः।
गच्छन् पिपीलको याति	जीवने यो न सार्थकः।
प्रियवाक्यप्रदानेन	को भेदः पिककाकयोः।
किं भवेत् तेन पाठेन	योजनानां शतान्यपि।
काकः कृष्णः पिकः कृष्णः	वचने का दरिद्रता।

प्रश्न-3 निम्नलिखित प्रश्नानाम् उत्तराणि लिखत -

- i) कः गच्छन् योजनानां शतान्यपि याति?
- ii) अस्माभिः किं वक्तव्यम्?
- (iii) कति बालकाः स्नानाय अगच्छन्?
- (iv) ते स्नानाय कुत्र अगच्छन्?
- (v) ते कं निश्चयम् अकुर्वन्?

प्रश्न-4 कोष्ठकात् उचितं शब्दं चित्वा रिक्तस्थानानि पूरयत-

- (क) पठामि। (वयम्/अहम्)
- (ख) गच्छथः। (युवाम्/यूयम्)
- (ग) एतत् पुस्तकम्। (माम्/मम)
- (घ) क्रीडनकानि। (युष्मान्/युष्माकम्)
- (ङ) छात्रे स्वः। (वयम्/आवाम्)

प्रश्न-5 उपयुक्तकथनानां समक्षम् 'आम्' अनुपयुक्तकथनानां समक्षं 'न' इति लिखत-

(क) कृषकाः सर्वेभ्यः अन्नं यच्छन्ति।

(ख) कृषकाणां जीवनं कष्टप्रदं न भवति।

(ग) कृषकः क्षेत्राणि सस्यपूर्णानि करोति।

(घ) शीते शरीरे कम्पनं न भवति।

(ङ) श्रमेण धरित्री सरसा भवति।

प्रश्न-6 मञ्जूषातः पदानि चित्वा रिक्तस्थानानि पूरयत-

(रविः, वस्त्राणि, जर्जरम्, अधिकम्, पृथ्वी, पिपासा)

वसनानि

सूर्य

तृषा

विपुलम्

जीर्णम्

7. मञ्जूषातः शब्दान् चित्वा रिक्तस्थानानि पूरयत

गणयित्वा श्रुत्वा दृष्ट्वा कृत्वा गृहीत्वा तीर्त्वा

(क) ते बालकाः ----- नद्याः उत्तीर्णाः।

(ख) पथिकः बालकान् दुःखितान् ----- अपृच्छत्।

(ग) पुस्तकानि ----- विद्यालयं गच्छ।

(घ) पथिकस्य वचनं----- सर्वे प्रमुदिताः गृहम् अगच्छन्।

(ङ) पथिकः बालकान् ----- अकथयत् दशमः त्वम् असि।

MATHEMATICS

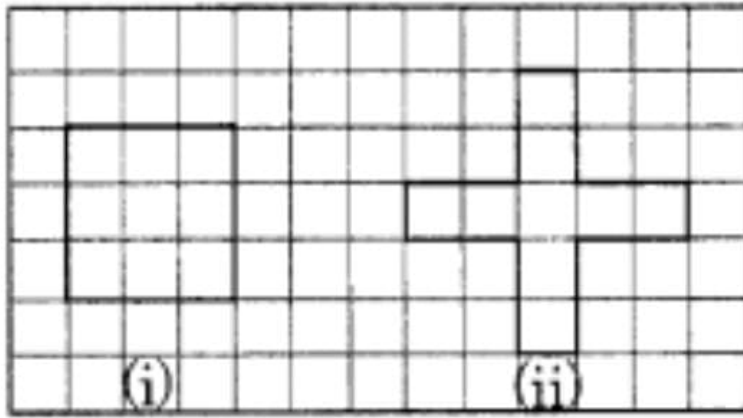
1. Avneet buys 9 square paving slabs, each with a side of 17 m. He lays them in the form of a square.

(a) What is the perimeter of his arrangement [Fig. (i)]?

(b) Shari does not like his arrangement. She gets him to lay them out like a cross. What is the perimeter of her arrangement [Fig. (ii)]?

(c) Which has greater perimeter?

(d) Avneet wonders, if there is a way of getting an even greater perimeter. Can you find a way of doing this? (The paving slabs must meet along complete edges, i.e., they can not be broken).



2. Take a survey of your class Students in a School.

Data about the different modes of transport used by your friends to travel to school.

Using Pictograph.

SCIENCE

Q.1 Give 2 examples of periodic motion and circular motion?

Q.2 What do you mean by term adaptation?

Q.3. Explain the features of fish which help it to live in water

Q.4. How are camels adapted to live in desert?

SOCIAL SCIENCE

History	DO IT IN A4 SHEET. 1.If you had to make a genealogy for yourself. Who are the people you would include admit the people you would include in it. How many generations would you like to show?
Geography	2.paste pictures of Himalayas. Write about the kind of equipment carried by the climbers(paste or draw the equipment). Do it in A4 sheet.

Reading

I. Read the following paragraph carefully and answer the given questions.

Our visit to the National War Memorial began with our teacher explaining that even after independence, India has had to fight many wars to protect itself, and the freedom and security we enjoy today is because of the many brave men and women who have served in the Indian Armed Forces over decades. Sadly, she said, war always takes its toll, and therefore, many brave soldiers have had to sacrifice their lives for the country even after our independence in 1947. This is what makes monuments like the National War Memorial extremely important so that we should never forget the cost of freedom. We are aware, always, of the pain and horrors of war. We learnt that each brick of the memorial is called a tablet, and it bears the names of soldiers who fought for India and made the supreme sacrifice in different wars from 1947 till date, including the Indo-China conflict of 1962, the Indo-Pak Wars in 1965 & 1971 and the Kargil War in 1999. There are 29,000 tablets on which more than 26,000 names of fallen soldiers have been etched.

1. What is the primary purpose of the National War Memorial in India?
 - B. To celebrate victories in wars
 - C. To honour fallen soldiers and recognize their sacrifices
 - D. To commemorate political leaders
 - E. To showcase military technology advancements
2. How many tablets are there in the National War Memorial, and what do they represent?
 - A. 26,000 tablets representing victories
 - B. 29,000 tablets representing peace efforts
 - C. 29,000 tablets bearing the names of fallen soldiers
 - D. 26,000 tablets with the history of Indian Armed Forces
3. Why does the teacher emphasize the importance of monuments like the National War Memorial?
4. What conflicts are mentioned in the paragraph for which the soldiers' names are engraved on the tablets?
5. Why do you think the paragraph specifies the number of tablets (29,000) and the number of names (26,000) on them?

Writing

1. Write a formal letter to the school principal expressing your concern and suggesting ways to improve the sports facilities in 100-120 words.
2. Write an article in 100-120 words for your school magazine on the topic "The Importance of Reading Books in Developing Imagination." Your task is to convince your classmates about the benefits of reading and how it can enhance their imagination.

Grammar

- Which of the following sentences uses the correct preposition?
 - She is good in playing the piano.
 - She is good at playing the piano.
 - She is good with playing the piano.
- Choose the correct preposition:
We are excited _____ the upcoming trip.
 - for
 - at
- Complete the sentence using the appropriate preposition:
The book is ___ the shelf.
- Which determiner is used before a singular, countable noun beginning with a consonant sound?
 - an
 - a
 - the
- Select the appropriate determiner to fill in the blank: ___ students in our class have completed the project.
 - Many
 - Enough
 - Whole
- Create a sentence using a quantifying determiner: ___ of my friends enjoy playing
- Identify the correct reported speech of the sentence:
She said, "I love reading books."
 - She says that she loves reading books.
 - She said that she loves reading books.
 - She said that she loved reading books
- Choose the appropriate reporting verb for the given sentence:
"I didn't eat breakfast," he _____.
 - complains
 - complained
 - complain
- Rewrite the following sentence in reported speech: "We are going to visit the museum tomorrow," said Mary.
- Which sentence demonstrates correct subject-verb agreement?
 - The team are playing well.
 - The team is playing well.
 - The team am playing well.
- Identify the correct subject-verb agreement in the sentence:
Neither the cat nor the dogs ___ friendly.
 - is
 - are
 - am
- Write a sentence with a subject and verb that agree in number.

13. Which sentence is in the present perfect tense?
a) I will go to the store.
b) I went to the store.
c) I have gone to the store.
14. Choose the correct past tense form of the verb:
She ___ (eat) dinner when the phone rang.
a) eat
b) ate
c) eating
15. Write a sentence in the future tense.

Literature

Answer the following questions.

1. Why does Nishad want to befriend Mr Nath despite Maya's theories about him being a crook?
2. What were the consequences of the father's attempts to rescue the cat from the tree, and how did the cat eventually escape?
3. Why was the bear chained for two days as punishment, according to the lady in the story?
4. What was the name given to the tiger cub brought home by the narrator's grandfather, and how did he come to live with them?
5. What is Wonka-Vite, and what unintended consequence does it have on people's age?

विषय : हिंदी/HINDI

खंड क

1• निम्नलिखित गद्यांश को पढ़कर नीचे दिए गए प्रश्नों के उत्तर लिखिए।

नील ग्रीवा के कारण मोर का नाम रखा गया नीलकंठ और उसकी छाया के समान रहने के कारण मोरनी का नामकरण हुआ राधा दोनों नव आगंतुकों ने पहले से रहने वालों में वैसा ही कुतूहल जमाया जैसा नववधू के आगमन पर परिवार में स्वाभाविक है लक्का कबूतर नाचना छोड़कर दौड़ पड़े और उनके चारों ओर घूम घूम कर गुटर गू गुटर गू की रागिनी अलापने लगे बड़े खरगोश सभ्य सभासदों के समान क्रम में बैठकर गंभीर भाव से उनका निरीक्षण करने लगे ऊन गेंद जैसे छोटे खरगोश उनके चारों ओर उछल कूद मचाने लगे तोते मानो भली-भांति देखने के लिए एक आंख बंद करके उनका परीक्षण करने लगे उस दिन मेरे चिड़ियाघर में मानो भूचाल आ गया।

1. प्रस्तुत गद्यांश के पाठ का नाम लिखें।
2. लक्खा कबूतर नाचा छोड़कर क्या करने लगे?
3. छोटे खरगोश क्या करने लगे?
4. सभ्य सभासदों की तरह क्रम में कौन बैठा था?

5• प्रस्तुत गद्यांश के पाठ के लेखक/ लेखिका का नाम क्या है?

क) महादेवी वर्मा ख) सुभद्रा कुमारी चौहान ग) जयशंकर प्रसाद घ) प्रेमचंद

खंड ख

2• बसंत पाठ्यपुस्तक के आधार पर दिए गए प्रश्नों के उत्तर लिखिए।

क) आंख में तिनका पड़ने के बाद घमंडी की क्या दशा हुई?

ख) खानपान में बदलाव के कौन से फायदे हैं?

ग) जाली घर में रहने वाले सभी जीव एक दूसरे के मित्र बन गए थे पर कुब्जा के साथ ऐसा संभव क्यों नहीं हो पाया?

3• बाल महाभारत पाठ्यपुस्तक के आधार पर दिए गए प्रश्नों के उत्तर लिखिए।

क) मायावी सरोवर की आवाज सुनकर अर्जुन ने क्या किया?

ख) हनुमान ने भीम को क्या आशीर्वाद दिया?

ग) युधिष्ठिर चौसर के खेल में क्या क्या हार गए?

खंड ग

निर्देशानुसार उत्तर लिखें।

4• दिए गए शब्दों में से सही शब्द चुनकर रिक्त स्थानों की पूर्ति करें।

(टप से, छप से, थर से, फुर से, सन से)

i) मेंढक पानी में _____ कूद गया।

ii) नल बंद होने के बाद पानी की एक बूंद _____ चू गई।

iii) शोर होते ही चिड़िया _____ उड़ी।

iv) ठंडी हवा _____ गुजरी।

v) मैं ठंड में _____ कांप गया।

5• दिए गए पुनरुक्ति शब्दों से वाक्य बनाइए

i) बच्चा बच्चा ii) गरम गरम

6• दिए गए शब्दों को वाक्य में प्रयोग कीजिए।

ज्ञान, रंग

7• अपने मनपसंद त्योहार पर एक अनुच्छेद लिखें।

8• अपने मित्र को जन्मदिन की बधाई देते हुए एक पत्र लिखें।

SANSKRIT

1.द्वितीया, तृतीया, चतुर्थी, पञ्चमी एवं षष्ठी विभक्ति के उपपद शब्दों का प्रयोग करते हुए 20 वाक्य लिखिए

2.पाठ 7 से 10 याद करके आने हैं।

सप्तमः पाठः त्रिवर्णः ध्वजः

अष्टमः पाठः - अहम् अपि विद्यालयं गमिष्यामि

नवमः पाठः - विश्वबन्धुत्वम्

दशमः पाठः - समवायो हि दुर्जयः इति।

3. निम्न शब्दों के लिङ्ग विभक्ति व वचन लिखो - घृणायाः, रक्षायाम्, अश्वस्य, देशान्,

4. रेखाङ्कितानि पदानि संशोध्य लिखत-

(क) छात्राः क्रीडाक्षेत्रे कन्दुकात् क्रीडन्ति।

(ख) ते बालिकाः मधुरं गायन्ति।

(ग) अहं पुस्तकालयेन पुस्तकानि आनयामि।

प्रश्न(11) निम्नलिखितम् नाट्यांशम् पठित्वा अधोलिखित प्रश्नानाम् उत्तराणि लिखत -

(अग्रिमदिने प्रातःकाले षट्वादने एव मालिन्याः गृहघण्टिका आगन्तारंकमपि सूचयति मालिनी द्वारमुदघाटयति पश्यति यत्गिरिजायाः सेविकाया दर्शनया सह एका अष्टवर्षदेशीया, बालिका तिष्ठति)

प्रश्नाः-- (अ) एकपदेन उत्तराणि लिखत-

(क) गिरिजायाः गृहसेविकायाः नाम किमासीत्?

(ख) दर्शनायाः पुत्री कति वर्षीया आसीत्?

(ग) का द्वारम् उदघाटयति ?

(आ) पूर्णवाक्येन उत्तरत—

(1) प्रातःकाले षट्वादने एव कस्याः गृहघण्टिका आगन्तारंकमपि सूचयति ?

प्रश्न(13) निम्नलिखितम् गद्यांशम् पठित्वा अधोलिखित प्रश्नानाम् उत्तराणि लिखत -

पुरा एकस्मिन्वृक्षे एका चटका प्रतिवसतिस्म। कालेन तस्याः सन्ततिः जाता। एकदा कश्चित्प्रमत्तः गजः तस्य वृक्षस्य अधः आगत्य तस्य शाखां शुण्डेन अत्रोटयत्। चटकायाः नीडं भुवि अपतत्।

(अ) एकपदेन उत्तरत--

(क) एकस्मिन्वृक्षे एका का प्रतिवसतिस्म ?

(2) कालेन कस्याः सन्ततिः जाता ?

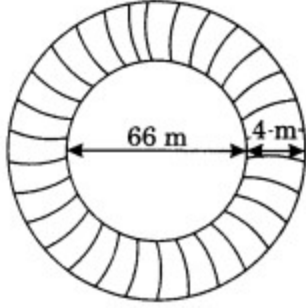
(3) कः शाखां शुण्डेन अत्रोटयत् ?

(आ) पूर्णवाक्येन उत्तरत---

(क) चटकायाः नीडं कुत्र अपतत् ?

MATHEMATICS

1. A circular flower bed is surrounded by a path 4 m wide. The diameter of the flower bed is 66 m. What is the area of this path? (Take $\pi = 3.14$)



2. Find the missing values :

Base	Height	Area of Triangle
15cm	_____	87cm ²
_____	31.4mm	1256mm ²
22cm	_____	170.5cm ²

3. Define Variable and constant. Explain the expressions like Monomial, Binomial, Trinomial and Polynomial - Using Tree diagram.

4. Find the discount percentage on your readymade bills (minimum 2 bills)

SCIENCE

Q.1 Which property of a conducting wire is utilised in making electric fuse?

Q.2 Name two electric devices for each where (i) heating effect of current is used and (ii) magnetic effect of current is used.

Q.3 The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer

(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.

Assertion(A): Bulb filament is made of tungsten.

Reason (R): The filament should have low melting point.

Q.4 Write the difference between self pollination and cross pollination

Q.5 Draw the diagram of a flower and Label its parts

Social Science

Civics

- 1 . Visit your neighbourhood shop and paste the photos.
2. How do you think your neighbourhood shop gets its goods?
3. Find out and explain with some examples.

History

- 1.The making of regional cultures - Q9, refer history book [let's do book back exercise]

Geography

Collect some Handicrafts made from Jute, bamboo or Silk. Display them in your class after reopening.

Note:- Do it in A4 sheet

PM SHRI KENDRIYA VIDYALAYA AFS, THANJAVUR

Holiday Homework for Winter Break

Class – VIII

Session 2023-24

ENGLISH

Reading

I) Read the following paragraph carefully and answer the given questions.

I haven't been brave," said his disembodied computer-voice, the next afternoon. "I've had no choice."

Surely. I wanted to say, living creatively with the reality of his disintegrating body was a choice? But I kept quiet, because I felt guilty every time I spoke to him, forcing him to respond. There he was, tapping at the little switch in his hand, trying to find the words on his computer with the only bit of movement left to him. His long, pale fingers. Every so often, his eyes would shut in frustrated exhaustion. And sitting opposite him I could feel his anguish, the mind buoyant with thoughts but that came out in frozen phrases and sentences stiff as corpses.

1. What is the speaker's initial reaction to the computer-voice's statement?

- A) Sympathy
- B) Disapproval
- C) Curiosity
- D) Indifference

2. What physical limitation is the computer-voice facing?

- A) Blindness
- B) Deafness
- C) Disintegrating body
- D) Memory loss

3. How does the speaker feel about engaging in conversation with the computer-voice? Explain your answer with details from the paragraph.

4. Describe the physical condition of the computer-voice as depicted in the paragraph.

5. Explain the significance of the statement, "I've had no choice," made by the computer-voice.

Writing

1. Imagine you are a student in Class VIII and you want to request your school principal to organize a science fair in your school. Write a formal letter to the principal explaining the reasons for the request, the benefits of having a science fair, and any suggestions you may have for its successful organization. Remember to include the proper format of a formal letter in 100-120 words.
2. Imagine you are a character from your favourite book or movie. Write a diary entry describing a day in your life as this character in 150-200 words. Include details about your thoughts, feelings, and any interesting events that occurred. How did being this character make your day unique and exciting?

Grammar

1. Choose the correct preposition to complete the sentence: "The school is located _____ the park."
 - a) in
 - b) at
 - c) by
 - d) between
2. Rewrite the sentence with the correct preposition: "She is allergic for cats."
3. Complete the sentence with the correct determiner: "There are _____ students in the classroom."
 - a) many
 - b) much
 - c) lot
4. Identify the incorrect determiner in the following sentence: "I have read all of books on the shelf."
5. Change the following sentence from active to passive voice: "The teacher praised the students."
6. Identify the sentence in passive voice:
 - a) "She eats pizza every Friday."
 - b) "The cake was baked by Mary."
7. Rewrite the sentence in active voice: "A new song is being sung by the choir."
8. Change the direct speech to reported speech: "She said, 'I will finish my homework.'"
9. Identify the reported speech in the following sentence: "He asked if they had seen the movie."
10. Choose the correct verb form: "Neither the teacher nor the students _____ happy with the test results."
 - a) is
 - b) am
 - c) are
 - d) be
11. Identify the correct subject-verb agreement: "The group of friends _____ going to the beach."
 - a) is
 - b) am
 - c) are
 - d) were

12. Correct the sentence for subject-verb agreement: "Each of the girls were wearing a uniform."
13. Identify the tense in the following sentence: "They have been waiting for hours."
14. Choose the correct tense: "By this time next year, I _____ my degree."
 - a) will complete
 - b) have completed
 - c) completed
 - d) completes
15. Rewrite the sentence in the past continuous tense: "She eats dinner at 7 PM every day."

Literature

Answer the following questions.

1. What was the king's peculiar habit, and what did he gift his daughters on one of his birthdays?
2. Why did Jody want to bring the fawn home?
3. What led to the initial confrontation between Ranji and the Punjabi boy at the pool?
4. What dilemma did Munna face regarding his money on the day Master Ghulam Mohammed was on leave?
5. What inspired the writer during the interview with Professor Stephen Hawking, and how did Hawking advise disabled people?

HINDI

शीतकालीन अवकाश गृह कार्य

- 1) सुदामा के दिन दशा देखकर कृष्ण की क्या मनोदशा से हुई?
- 2) द्वारका से लौटते समय सुदामा दुखी क्यों थे?
- 3) लाल झाऊलाल किस कारण से परेशान थे ? किसने उनकी मदद की?
- 4) बीलवासी ने अंग्रेज को कैसे मुर्ख बनाया अपने शब्दों में लिखें ?
- 5) बालक कृष्ण किस लोभ से दूध पीने को तैयार हो गए ?
- 6) आ और आस प्रत्यय का प्रयोग करके दो-दो शब्द बनाएं।
- 7) आ और अनु उपसर्ग का प्रयोग करके दो दो शब्द बनाएं।
- 8) रिक्त स्थानों में उपयुक्त कारक चिन्ह लगाए ।
 - 1) पक्षी आकाश _____ उड़ रहे हैं
 - 2) मां बेटी _____ उपहार लाई।
 - 3) वृक्षों _____ पत्ते गिरते हैं।
 - 4) राष्ट्रपति _____ अनेक कलाकारों _____ पुरस्कार दिए।
 - 5) राजीव बस _____ घर गया।

SANSKRIT

1. क्त्वा तुमुन और ल्यप प्रत्यय का प्रयोग करते हुए 10 उदाहरण लिखिए ।
2. द्वितीया, तृतीया , चतुर्थी, पञ्चमी एवं षष्ठी विभक्ति के उपपद शब्दों का प्रयोग करते हुए 20 वाक्य लिखिए ।
3. लकार परिवर्तन करते हुए (लृट्, लङ्, लोट् , एवं विधि लिङ्) 20 वाक्यों का निर्माण कीजिए ।
4. पाठ 8 से 11 याद करके आने हैं ।

MATHEMATICS

Day 1: Exponents and Powers

1. Solve $3^4 \times 3^2$.
2. Evaluate 5^0 and explain the result.
3. Express 2^{-3} as a positive exponent.
4. Simplify $a^2 \times a^5$ when $a=2$.

Day 2: Exponents and Powers

1. Simplify $4^3 \div 4^1$.
2. Solve $2^6 \times 2^0$.
3. Determine the value of x in $5^x=125$.
4. Evaluate $a^4 \div a^4$ for $a=3$.

Day 3: Mensuration

1. Find the area of a rectangle with length 8 cm and width 5 cm.
2. Calculate the perimeter of a square with a side length of 12 meters.
3. Determine the volume of a cube with a side length of 3 cm.
4. If the circumference of a circle is 18.84 cm, find its radius.

Day 4: Mensuration

1. Find the area of a triangle with base 10 cm and height 6 cm.
2. Calculate the volume of a rectangular prism with length 7 cm, width 4 cm, and height 9 cm.
3. Determine the surface area of a cylinder with radius 5 cm and height 12 cm.
4. If the diameter of a circle is 14 cm, find its area.

Day 5: Algebraic Expressions

1. Simplify $3x+5x-2x$ for $x=4$.
2. Evaluate $2y-7$ when $y=10$.
3. Expand and simplify $4(a+2b)$.

4. If $p=3$, find the value of $2p^2-5p+1$.

Day 6: Algebraic Expressions

1. Simplify $m^2-3m+6-(m^2-2m-4)$.
2. Factorize the expression x^2-9 .
3. Solve for x in the equation $2x+7=15$.
4. If $q=6$, find the value of $3q-2$.

Day 7-10: Mixed Practice

Combine concepts from the previous days to solve more complex problems. Include a mix of exponents, powers, mensuration, and algebraic expressions in your solutions.

SCIENCE

Q.1 Observing that the bulb does not glow in the circuit shown in Fig. 14.11 A, Boojho changed the circuit as shown in Fig 14.11 B. He observed deflection in the magnetic compass.

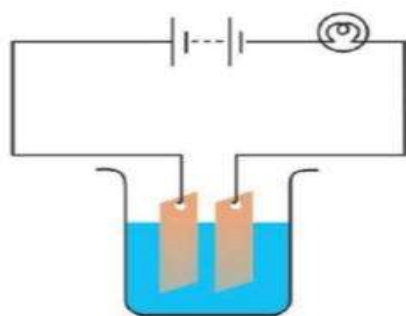


Fig. 14.11 A

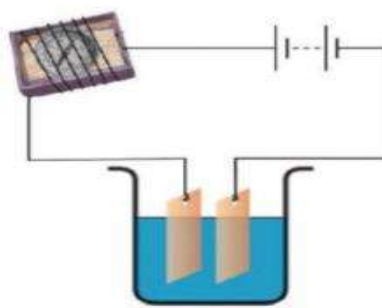


Fig. 14.11 B

- (i) What does the deflection in the magnetic compass indicate?
- (ii) Why did the bulb not glow in Fig 14.11 A?
- (iii) What would be the effect of an increase in the number of turns in the coil wound around the magnetic compass in Fig. 14.11 B?

Q.2 Define Electroplating and write its applications

Q.3 Suggest three measures to limit noise pollution in your locality.

Q.4 A Pendulum oscillates 100 times in 4 seconds. Find its time period and frequency.

SOCIAL SCIENCE

1. Find out about the history of your school or any other school in the area you live.
2. As industries inspector your job is to look after the safety norms of industries in your area. what all things will you look and implement.

3. Describe the Adivasi Demands and the 1989 Act.

PM SHRI KENDRIYA VIDYALAYA AFS, THANJAVUR

Holiday Homework for Winter Break Session 2023-24

Class – IX

ENGLISH

Section A: Reading

Read the following paragraph carefully and answer the given questions:

Necessity, they say, is the mother of invention. And Indian doctors have been quite creative when hamstrung by few or no tools to perform specific surgeries. They simply design it themselves at one-fourth the price they are sold abroad. In fact, some of their innovations are priced at as much as hundreds of dollars abroad.

Take 47-year-old Dr Burjor P Banaji, pioneer of Lasik surgery in India. He's invented over a dozen surgical instruments. When this senior eye surgeon at Max Eye Care started Lasik, there were few surgeons doing it worldwide and no specific instruments were available either. "As I want things super-perfect, I designed a whole slew of instruments that made my surgery more efficient," says Banaji. The most popular instruments are Banaji Lasik Shield and Banaji Lasik Spatula and Canulae. "It was simple. I had the designs in my head. Putting them down on paper was the simplest thing," he says. Instruments manufacturers and large multinationals in the US snapped them up. "They would send me computer generated drawings which I would correct and send back. Their level of execution was astounding. Within two weeks of the designs being finalised, the instruments were in the world market."

His instruments are priced at hundreds of dollars each in the US, and are also sold in Switzerland, South America, Korea, Eastern Europe, Africa and Japan. They're available in India at a fraction of the price.

Q1: Why have some Indian doctors created their own surgical tools?

- (i) they have no tools to perform specific surgeries
- (ii) they have a hamstring problem
- (iii) the tools they get from abroad cost four times as much
- (iv) they can sell these tools at a very high price.

Q2: What has Dr Burjor P Banaji created?

- (i) Lasik surgery
- (ii) Max Eye Care Centre
- (iii) two surgical instruments called Banaji Lasik Shield and Banaji Lasik Spatula and Canulae
- (iv) more than a dozen instruments for operating on the eye.

Q3: Where does Dr Banaji get the instruments manufactured?

- (i) India
- (ii) the United States of America
- (iii) Switzerland
- (iv) Japan

Q4: The term hamstrung refers to

- (i) restricted (ii) helped
- (iii) harmed (iv) liberated

Q5: What does the phrase slew of instruments refer to?

- (i) a wide range of instruments
- (ii) instruments used for slaying
- (iii) tools of a similar nature
- (iv) surgical instruments

Writing

1. You recently visited an important historical monument. You were shocked to see the poor maintenance of important archaeological sites. Write a letter to the editor of a leading newspaper highlighting the poor condition of important archaeological and heritage sites. Point out the lack of essential services, the poor state of maintenance and its misuse by people. Give suggestions for improving the situation.

2. You were a member of a team of students campaigning against the spread of smoking in the village community. Make a diary entry describing your participation and success achieved in your mission.

Grammar

Complete the following sentences with the correct answers:

- 1. The farmers (is/are) ploughing.
- 2. One of the girls (was / were) singing.
- 3. Three kilometers (is/are) a small distance.
- 4. "The Hotel Brewers" (is / are) a five-star hotel.
- 5. The police (has / have) arrested three terrorists.

Literature

1. Irony refers to the use of words to convey a meaning that is the opposite of their literal meaning. Bring out the irony in the story, "The Best Seller".

2. Why does the poet call rain as earthly life?

3. How do you think the rain quenches the thirst of the trees and cures clouds ailment?

4. Do you think the Bishop was right in selling the salt cellars? Why/Why not?

5. Read the following poem extract and answer the questions:

When I think of the lollies I licked,
And the liquorice all sorts I picked,
Sherbet dabs, big and little,
All that hard peanut brittle,
My conscience gets horribly pricked.

- (a) How does she feel when she thinks of the lollies that she licked?
- (b) What is liquorice?
- (c) Find a word in the extract which is the same as "moral sense".

HINDI

कक्षा - 9विषय- हिंदी

निम्नलिखित प्रश्नों के उत्तर लिखें।

- 1) प्रेमचंद के व्यक्तित्व की विशेषताएं बताएं ।
- 2) महादेवी के परिवार में कन्याओं के साथ कैसा व्यवहार होता था ?
- 3) बादलों के आने से गांव पर क्या प्रभाव पड़ा ?
- 4) ग्राम श्री कविता में कवि ने गांव को हारता जन मन क्यों कहा है?
- 5) समास और संधि का अंतर उदाहरण सहित स्पष्ट करें ।
- 6) अलंकार किसे कहते हैं तथा उसके भेद बताइए।
- 7) निम्नलिखित समस्त पदों का विग्रह करते हुए समास बताइए।
 - i) शरणागत
 - ii) पाप पुण्य
 - iii) आजन्म
 - iv) कमलनयन
 - v) देशभक्ति

SANSKRIT

शीतकालीन अवकाश गृहकार्य

विषय - संस्कृत कक्षा - नवमी

अपठित अवबोधनम्

प्रश्न1. अधोलिखितं अपठित गद्यांशं पठित्वा प्रश्नान् उत्तरत -

5

व्याघ्रः अस्माकं राष्ट्र-पशुः। अतीव मनोहरः अयम्। अस्य शरीरे पीत-कृष्ण वर्णाः पंक्तयः नितरां शोभन्ते। कदाचित् अयं सघनेषु वनेषु निर्भयं विहरति स्म। हन्त! साम्प्रतम् व्याघ्राणां संख्या अत्यल्पा जाता। व्याघ्र-जातिं सर्वनाशात् रक्षितुं वन-पर्यावरण-मन्त्रालयः अनेकान् उपायान् करोति; परं सर्वे प्रयत्नाः निष्फलाः भवन्ति। कारणं किम्? केषाञ्चित् धूर्तानां लोभः अथ वा वनानां छेदनम्। अस्माकं वन-सम्पत्तिः रक्षितव्या, देशस्य राष्ट्रपशुः चापि रक्षणीयः। 'परियोजना-व्याघ्रः' (Project Tiger) सफलः भवेत्। अन्यथा भविष्यत्-काले वयं पुस्तकेषु अस्य चित्रमेव द्रक्ष्यामः।

I. एकपदेन उत्तरत-

1.

अस्माकं राष्ट्रपशुः कः?

2. केषां संख्या अत्यल्पा जाता?

II. पूर्णवाक्येन उत्तरत-

1. वन-पर्यावरण-मन्त्रालयः किमर्थम् उपायं करोति?

III. यथानिर्देशम् उत्तरत-

(1) "कदाचित् अयं सघनेषु वनेषु निर्भयं विहरति स्म।" इति वाक्ये- किं विशेषणपदम्?

(कदाचित्, सघनेषु, वनेषु)

(2) "रक्षितुम्"-अत्र कः प्रत्ययः? (क्त्वा, ल्यप्, तुमुन्)

खण्डः (ख) रचनात्मकं कार्यम्

प्रश्न 2. भवान् माधवः, स्वविद्यालयस्य वर्णनं कुर्वन्तः मित्रं प्रति लिखितं इदं पत्रम् मंजूषायां प्रदत्तैः पदैः पूरयत।

परिश्रमिणः, मित्र रमण, नमस्कारः, अध्यापकाः, कुशलोऽस्मि, 06.10.2022, विद्यालयः, सर्वे, माधवः,
लेखिष्यमि

परीक्षाभवनात्

तिथिः (1).....

प्रिय (2).....

(3).....।

अहम् अत्र(4).....। अहम् अधुना स्वविद्यालयस्य वर्णनं कर्तुम् इच्छामि। मम (5).....

अतीव शोभनः अस्ति। अस्माकं सर्वे (6)..... मनोयोगेन पाठयन्ति। तेषां योग्यता वस्तुतः

प्रशंसनीया। (7)..... छात्राः अपि (8) सन्ति। विस्तरेण पुनः (9)।

भवतः सुहृत्

(10)

अनुप्रयुक्त - व्याकरणम्

प्रश्न 3. अधोलिखितवाक्येषु रेखाङ्कितपदस्य सन्धिपदं सन्धिच्छेदपदं वा चिनुत -

1. नि + अवसत् =।

(क) निवसत् (ख) न्यवसत् (ग) नीवसत् (घ) न्यवसत्

2. सूर्य + उदयः =।

(क) सूर्य उदयः (ख) सूरयोदय (ग) सूर्योदयः (घ) सूर्यः उदयः

3. यथा + इच्छम् =।

(क) यथेच्छम् (ख) यथा इच्छम् (ग) यथाच्छम् (घ) यथेचछम्

4. वृक्षस्य + उपरि =।

(क) वृक्षः उपरि (ख) वृक्षस्य उपरि (ग) वृक्षस्योपरि (घ) वृक्षस्योपरि

प्रश्न 4. प्रदत्तविकल्पेभ्यः उचितपदं चित्वा रिक्तस्थानानि पूरयत -

1. बालकः सह खेलितुं गच्छति। (मित्र)

- (क) मित्रेण (ख) मित्रस्य (ग) मित्राणां (घ) मित्राभ्यां
2. जनः बहिः आगच्छति। (ग्राम)
- (क) ग्रामस्य (ख) ग्रामं (ग) ग्रामात् (घ) ग्रामेण
3. मोहनः अपि निपुणः वर्तते। (मधुरभाषण)
- (क) मधुरभाषणेन (ख) मधुरभाषण (ग) मधुरभाषणम् (घ) मधुरभाषणस्य
4. सूरदासः अन्धः आसीत्। (नेत्र)
- (क) नेत्रयोः (ख) नेत्रैः (ग) नेत्राभ्याम् (घ) नेत्रेण

प्रश्न 5. रेखाङ्कितपदानां प्रकृतिः – प्रत्ययौ संयोज्य विभज्य वा उचितं उत्तरं विकल्पेभ्यः चिनुत-

1. ऋषिः क्रुद्धः भूत्वा सिंहम् अपश्यत्।
 (क) भूत + वा (ख) भू + त्वा (ग) भू + क्त्वा (घ) भूत् + त्वा
2. मोहनः तत्र गम् + तुमुन् इच्छति।
 (क) गतवान् (ख) गन्तुम् (ग) गत्वा (घ) आगम्य
3. आलस्यं वि + हा + ल्यप् उद्यमं कुरु।
 (क) विहाय (ख) वीहाय्य (ग) विहत्वा (घ) विहातुम्
4. रामः भोजनं कृत्वा गमिष्यति।
 (क) कृ + क्त्वा (ख) कृ + क्तवतु (ग) कृ + तुमुन् (घ) कृ + ल्यप्

प्रश्न 6. रेखाङ्कितपदानि आधृत्य समुचितं प्रश्नवाचकपदं चिनुत –

1. ग्रामे निर्धना स्त्री अवसत्।
 (क) कः (ख) का (ग) केन (घ) कया
2. स्वर्णकाकं निवारयन्ती बालिका प्रार्थयत्।
 (क) कः (ख) किम् (ग) कं (घ) कति
3. वृक्षाः फलं न खादन्ति।
 (क) केषु (ख) कति (ग) कस्मात् (घ) के
4. खलानां मैत्री आरम्भगुर्वी भवति।
 (क) केन (ख) केषाम् (ग) कः (घ) कस्य

पठित अवबोधनम्

प्रश्न 8. अधोलिखितं पद्यांशं पठित्वा प्रदत्तानां प्रश्नानां उत्तराणि लिखत-

पिबन्ति नद्यः स्वयमेव नाम्भः
 स्वयं न खादन्ति फलानि वृक्षाः
 नादन्ति सस्यं खलु वारिवाहाः
 परोपकाराय सतां विभूतयः ॥

I. एकपदेन उत्तरत-

- (i) काः स्वयमेव अम्भः न पिबन्ति?

(ii) वृक्षाः किं न खादन्ति?

II पूर्ण पदेन उत्तरत -

(i) वारिवाहाः स्वयं किं न अदन्ति?

(ii) सज्जनानां विभूतयः किमर्थं भवति?

प्रश्न 9. अधोलिखितं गद्यांशं पठित्वा प्रदत्तानां प्रश्नानां उत्तराणि लिखत-

भ्रातः कश्चन बालः पाठशालागमनवेलायां क्रीडितुं निर्जगाम। किन्तु तेन सह केलिभिः कालं क्षेप्तुं तदा कोऽपि न वयस्येषु उपलभ्यमान आसीत्। यतस्ते सर्वेऽपि पूर्वदिनपाठान् स्मृत्वा विद्यालयगमनाय त्वरमाणा बभूवुः। तन्द्रालुर्बालो लज्जया तेषां दृष्टिपथमपि परिहन्नेकूकी किमप्युद्यानां प्रविवेश। स चिन्तयामास - विरमन्त्वेते वराकाः पुस्तकदासाः। अहं पुनरात्मानं विनोदयिष्यामि। ननु भूयो द्रक्ष्यामि क्रुद्धस्य उपाध्यायस्य मुखम्।

एकपदेन उत्तरत-

(1) बालकः कीदृशः आसीत्?

(2) कस्मिन् समये सः क्रीडितुं निर्जगाम?

पूर्णवाक्येन उत्तरत-

(1) बालकेन सह किमर्थं वयस्येषु न उपलभ्यमानः आसीत्?

(2) सर्वे बालाः किम् अकुर्वन्?

प्रश्न 10. अधोलिखितयोः श्लोकयोः अन्वयं मञ्जूषातः समुचित पदं चित्वा लिखत। $\frac{1}{2} \times 4 = 2$

पिबन्ति नद्यः स्वयमेव नाम्भः स्वयं न खादन्ति फलानि वृक्षाः।

नादन्ति सस्यं खलु वारिवाहाः परोपकाराय सतां विभूतयः।।

अन्वयः-

नद्यः (1)..... एव अम्भः न (2) वृक्षाः स्वयं फलानि न (3)..... वारिवाहाः खलु (4)..... न अदन्ति सतां विभूतयः परोपकाराय (एव भवति)।

खादन्ति	सस्यं	पिबन्ति	स्वयम
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प्रश्न 11. निम्नवाक्यानि घटनाक्रमानुसारं पुनर्लिखत -

1/2X8=4

(1) बालिका सूर्योदयात् पूर्वम् एव तत्र उपस्थिता अभवत्।

(2) यदा मञ्जूषां सा उद्घाटितवती तदा तस्यां महार्हाणि हीरकाणि दृष्ट्वा सा प्रसन्ना जाता।

(3) यदा काकः शचित्वा प्रबुद्धः जातः तदा सः स्वर्णगवाक्षात् अवदत्।

(4) कस्मिंश्चित् ग्रामे एका धनहीना वृद्धाः स्त्री अवसत्।

(5) बालिका अकथयत् - अहं ताम्रस्थाल्यामेव भोजनं करिष्यामि।

(6) बालिके! त्वम् आगता? तिष्ठ, अहं तव कृते सोपानम् अवतारयामि।

(7) सा काकं भर्त्सयन्ती अवदत्।

(8) परं स्वर्णसोपानेन सा स्वर्णभवनम् अगच्छत्।

अन्य महत्त्वपूर्ण अभ्यास

1. बालक, बालिका और पुष्प , नदी, गुरु शब्द के रूप लिखकर याद कीजिए।
2. पठ्, गम्, सेव् धातुओं के 05 लकारों में रूप लिखकर याद कीजिए।

MATHEMATICS

1. ABC is an isosceles triangle in which $AB = AC$. AD bisects exterior angle PAC and $CD \parallel AB$. Show that (i) angle DAC = angle BCA (ii) ABCD is a parallelogram.
2. Prove the theorem " 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".
3. Prove that the quadrilateral formed (If possible) by the internal angle bisectors of any quadrilateral is cyclic.
4. The sides of a triangular plot are in the ratio of 3:5:7 and its perimeter is 300 m . Find its area.
5. How to find out areas and volume of right circular cone with illustration.

SCIENCE

Physics

REFERENCE	IN TEXT QUESTIONS	PAGE NOS FOR REFERENCE	CHAPTER	SUGGESTIONS
NCERT BOOK FOR CLASS IX SCIENCE (PHYSICS)	1	148	WORK AND ENERGY	LEARN CHAPTER THOROUGHLY AND WRITE IN HOME WORK NOTE BOOK NEATLY WITH QUESTIONS(IN SEPEARTE COLOUR PEN) ANSWERS WITH NECESSARY DIAGRAMS, DERIVATIONS AND STEPS FOR SOLVING NUMERICALS
	1,2,3,4	149	WORK AND ENERGY	
	1,2,3	152	WORK AND ENERGY	
	1,2,3,4	156	WORK AND ENERGY	

Chemistry

Q.1 when a gas jar full of air is placed upside down on a gas jar full of bromine vapours, the red-brown vapours of bromine from the lower jar go upward into the jar containing air. In this experiment.

Q. 2 What is the name of the non-metal which exists in liquid state at room temperature?

Q.3 The continuous zig-zag movement of collidal particles in a dispersion medium is called?

Q.4 In tincture of iodine, find the solute and solvent?

Q.5 When Potassium permagnet dissolve in water shows.....

Q.6 Solids have tendency to maintain their.....and.....

Q.7 Assertion(A) Ice is float on water

Reason(R) Density of ice is lesser than water.

Q.8 a) Characteristics of particles of matter.

(b) Name three substances which undergo sublimation

Q.9 List the points of differences between homogenous and heterogeneous mixture.

Q.10 A solution is a homogenous mixture of two or more substance. You come across various types of solutions in your daily life. Lemonade soda water etc are all examples of solutions. Usually we think of a solution as a liquid or a gas dissolved in it. But we can also have solid solution and gaseous solutions. In a solutions there is homogeneity at the particle level for example lemonade tastes the same throughout. This shows that particles of sugar or salt are evenly distributed in the solutions. A solution has solvent and solute as it's complements. The components of the solution that dissolved the other components in it is called the solvent.

i) Give one characteristics of a solution?

ii) what is the type of solution?

iii) Is dust in air a solution?

iv) what is sublimation?

Q.11 Question Number 3.3 to 3.10 from exercise.

BIOLOGY

MCQ's

Q.1 Areolar connective tissue is found:

- (a) between skin and muscle
- (b) around blood vessel
- (c) around nerves and bone marrow
- (d) all of the above

Q.2 Each neuron has a single long part called:

- (a) dendrite
- (b) axon
- (c) cell body
- (d) cytoplasm

Q.3 A student was asked to write the characteristic feature of a nerve cell, after viewing it under the microscope. What will be the correct feature?

- (a) A cell body with branched cytoplasmic extensions at one end and a long projection at the other end.
- (b) Oval cells with lobed nucleus
- (c) Loosely packed cells floating in matrix
- (d) Spindle -shaped cells with

Q.4 The cells capable of changing shapes are

- (a) amoeba cell
- (b) WBC
- (c) both of these
- (d) none of these

Q.5 Hen's egg is a

- (a) tissue
- (b) organ
- (c) organ system
- (d) cell

ASSERTION AND REASON

Q.5 Assertion (A): animal cell do not face demarcation of dividing and non-dividing regions.

Reason (R): animal cell consume more energy as compare plants.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true and R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q.6 What produces more severe burns boiling water or steam?

Q.7 How is a Prokaryotic cells different from a Eukaryotic cells?

Q.8 Tissue that connects muscle to bone in humans?

Q.9 How is a plant cell different from animal cell explain with diagram?

Q.10 How does an amoeba obtain it's food?

Q.11 What are the function of areolar tissue?

Q.12 Differentiate between muscular tissue, connective tissue, epithelial tissue, on the basis of their presence in body? With diagram?

CASE BASE STUDY

Q.13 What happens to the cells formed by meristematic tissue? They take up a specific role and lose the ability to divide, as the result they form a permanent tissue. This process to taking up a permanent shape, size, and a function is called differentiation. Differentiation leads to the development of various type of permanent tissue. A few layers of cells beneath the epidermis are generally simple permanent tissue. Parenchyma is the most common simple permanent tissue. It consist of relatively unspecialised cells with thin cell wall. They are living cells. They are usually loosely arranged, thus large spaces between cells are found in this tissue generally stores food.

- (a) what is the function of cork?
- (b) what is the function of sclerechyma?
- (c) define the term "tissue"?
- (d) what is different between simple tissue and complex tissue?

SOCIAL SCIENCE

1. How would you have reacted to Hitler's Idea if you were

- A Jewish woman

- A non-Jewish German woman

2. Prepare 20 objective type questions from chapter-4 (forest society and colonialism)-History

3. Prepare a file on disaster management taking any one of the following topics-

✓ Drought

✓ flood

✓ Industrial accidents

4. Describe current government strategy of poverty alleviation.

5. Right notes on

• MSP

• Buffer stock

• Issue price

• Fair price shop

6. Three friends went to watch a film that showed the hero becoming Chief Minister for a day and making big changes in the state. Imran said this is what the country needs. Rizwan said that this kind of a personal rule without institutions is dangerous. Shankar said all this is a fantasy. No minister can do anything in one day. What would be your reaction to such a film?

Artificial Intelligence

SHORT ANSWER QUESTIONS:

1. Define Artificial Neural Network. How it is not comparable with human neural network.
2. Write down the function of Hidden layers in a neural network.
3. What is the difference between supervised and unsupervised learning?
4. Write use of Deep learning in the field of Entertainment.

CCT BASED QUESTIONS

5. Write a Python Code to find multiplication of two numbers. Display the result.
6. Match the Column 'A' with Column 'B'

Column A

Column B

- | | |
|------------------|-----------------------------|
| (i) + (Addition) | (i) Comparison operators |
| (ii) == | (ii) Logical operators |
| (ii) NOT | (iii) Assignments Operators |
| (iii) = | (iv) Arithmetic operators |

7. Write the output of the following python statements 5

i) `print('Sunday' + 'Monday' + 'Holiday')`

ii) `print(16*4)`

iii) `print(1998-1964)`

iv) `print(100// 25)`

v) `print(390+27+63+71)`

8. Write a program to display an integer number, a float number and a string.
9. Write a program to read and display name.
