

**KENDRIYA VIDYALAYA SANGATHAN, BHUBANESWAR REGION**  
**PRE-BOARD EXAMINATION (2025-26)**  
**CLASS -X**  
**SUBJECT- ENGLISH COMMUNICATIVE (101)**

**TIME allowed: 3 Hrs**

**SET-I**

**Maximum Marks: 80**

---

**General Instructions**

**Read the following instructions carefully and follow them.**

**i) This question paper has 12 questions. All questions are compulsory.**

**ii) This question paper contains four sections:**

**Section A: Reading Skills**

**Section B: Writing Skills**

**Section C: Grammar**

**Section D: Literature**

**iii) Attempt all questions based on specific instructions for each part. Write the correct question number and the part thereof in your answer sheet.**

**iv) Separate instructions are given with each question/part, wherever necessary.**

**v) Adhere to the prescribed word limit while answering the questions.**

**SECTION A: READING SKILLS (22 Marks)**

**1. Read the paragraph given below and answer the questions that follow.**

**12**

1. The main difference between men and animals is the difference in their power of concentration. All success in any line of work is the result of this. Everybody knows something about concentration. We see its results every day. High achievements in art, music, etc., are the results of concentration. Those who have trained animals find much difficulty in the fact that they are constantly forgetting what is told to them. They cannot concentrate his mind on anything long at a time. Herein is the difference between men and animals—the man has the greater power of concentration and also constitutes the difference between man and man. Compare the lowest with the highest man. The difference is in the degree of concentration. This is the only difference.
2. Everybody's mind becomes concentrated at times. We all concentrate upon those things we love, and we love those things upon which we concentrate our minds. Which mother does not love the face of her homeliest child? That face is to her the most beautiful in the world. She loves it because she concentrates her mind on it, and if everyone could concentrate their mind on that same face, everyone would love it. It would be to all the most beautiful face.
3. We all concentrate our minds upon those things we love. When we hear beautiful music, our minds become fastened upon it and we cannot take them away. Those who concentrate their minds on what you call classical music do not like common music, and vice-versa. Music in which the notes follow each other in rapid succession holds the mind readily. A child loves lively music because the rapidity of the notes gives the mind no chance to wander. A man who likes common music dislikes classical music because it is more complicated and requires a greater degree of concentration to follow it.
4. The great trouble with such concentration is that we do not control the mind; it controls us. Something outside of ourselves, as it was, draws the mind into it and holds it as long as it chooses. We hear melodious tones or see a beautiful painting, and the mind is held fast; we cannot take it away.
5. If I speak to you well upon a subject you like, your mind becomes concentrated upon what I am saying. I draw your mind away from yourself and hold it upon the subject in spite of yourself. Thus, our attention is held, our minds are concentrated upon various things, in spite of ourselves. We cannot help it.

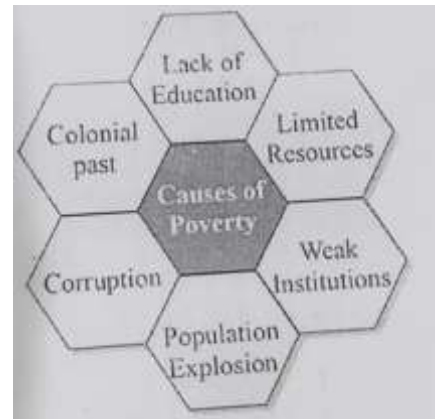
**On the basis of your understanding of the passage, answer the questions.**

- I) The reason that is actually the difference between man and animal is (1)  
a) Constant forgetting                      b) High achievements  
c) Being alert                                  d) Difference in degree of concentration
- II) Which of the four given statements are NOT true? Choose the correct option. (1)  
1. If you don't control our mind, it controls us.  
2. A child likes classical music.  
3. Classical music is liked by all.  
4. Classical music allows mind to wander.  
5. We all concentrate our minds upon things we love.
- a) Statement 1 and 4                      b) Statement 2 and 4  
c) Statement 2 and 3                    d) Statement 1, 2, 3, and 4
- III) Which of the following characteristics are apt about human mind? (1)  
1. A great master if untamed  
2. Easily attractive to rapid rhythm  
3. Can concentrate without seeking agreement of owner  
4. Can't concentrate on things of love  
5. Can lead to high achievement
- a) Option 1, 2 and 5                      b) Option 2, 3 and 4  
c) Option 1, 2 and 3                    d) Option 3, 4 and 5
- IV) Which of the following will be the most appropriate as the title for the passage? (1)  
a) Concentration Rules                      b) Minding your Mind  
c) Advantages of Concentration              d) Disadvantages of Concentration
- V) Select the option that makes a correct use of 'attention' as used in the passage, to fill in the blank space. (1)  
a) He is \_\_\_\_\_ in the class.  
b) If you \_\_\_\_\_ your performance will improve.  
c) The baby is an \_\_\_\_\_ seeker.  
d) We must \_\_\_\_\_ to what says.
- VI) Which of the following statements are true about 'concentration'? (1)  
1. We can't concentrate when we hear melodious tones.  
2. Mind controls us if we don't control it.  
3. Our minds do not concentrate in spite of ourselves.  
4. Rapid music holds concentration easily
- a) Option 2 and 3              b) Option 2 and 4              c) Option 3 and 1              d) Option 1 and 4
- VII) How does the author justify the statement that a mother considers her child most beautiful? (2)
- VIII) Why does a child prefer lively music while a man who likes common music dislikes classical music? (2)
- IX) What problem does the author identify with human concentration in paragraph 4, and how does it affect our control over the mind? (2)

## 2. Read the passage given below.

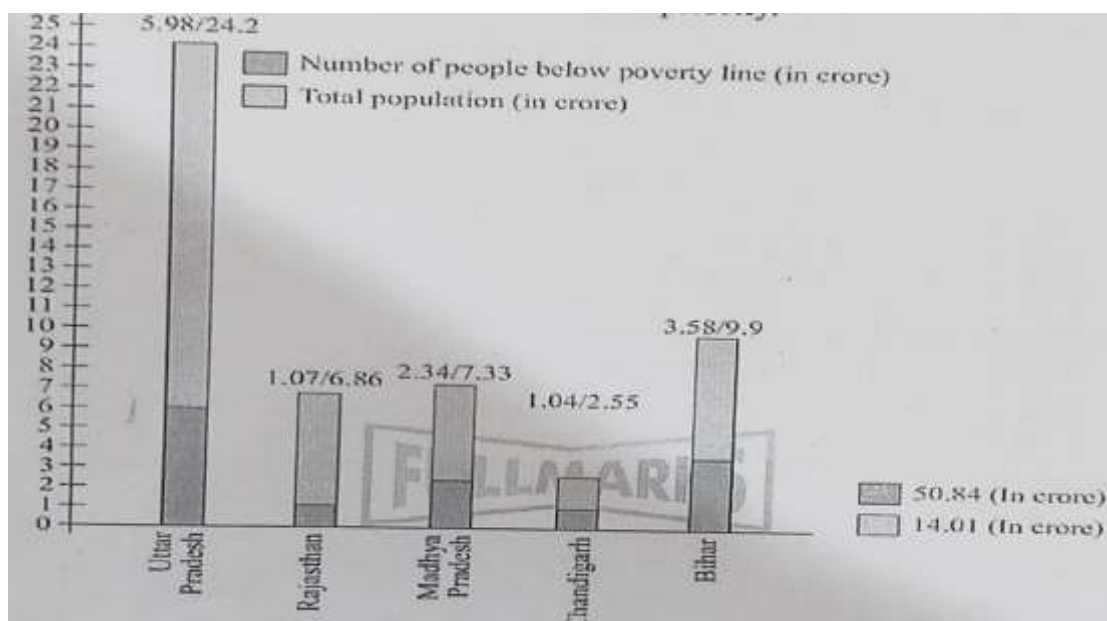
10

India is one of the fastest growing economies in 2020. Poverty is on the decline with close to 44 Indians escaping extreme poverty every minute, according to the World Poverty Clock. According to the Brookings report, today India has 73 million people living in extreme poverty which makes up 5.5% of its total population. Two-thirds of people in India live in poverty. 68.8% of the Indian population lives on less than \$2 a day. Over 30% even have less than \$1.25 per day and such people are considered extremely poor.



More than 800 million people in India are considered poor. Most of them live in the countryside and keep afloat with odd jobs. The lack of employment which provides a liveable wage in rural areas is driving many Indians into rapidly growing metropolitan cities, such as Mumbai, Delhi, Kolkata and Bengaluru.

In 2019, the Indian government stated that 6.7% of its population is below its official poverty line. According to Oxfam, India's top 1% of the population now holds 73% of the wealth while 670 million citizens, comprising the country's poorest half, saw their wealth rise by just 1%. As per the Tendulkar Poverty Line, poverty reduced from 14.9 per cent in 2011 to 7.0 per cent in 2017-the fastest pace the country has seen yet. So, 2020 is extremely challenging year not only for government and business, but also for those who are on the borderline of poverty. Fiscal, monetary and administrative policies have to be designed in a way that provides a safety for those living at the brink of poverty. Lifting people out of poverty ought to be on top of the government's priority.



**On the basis of your understanding of the passage, answer the questions.**

- (I) As per the graph, which of these is/are the cause(s) of poverty in India? (1)  
 (a) Colonial past  
 (b) Lack of education  
 (c) Population explosion  
 (d) All of these
- II) Based on your understanding of the passage, choose the option that lists the reason for people migrating to metropolitan cities. (1)  
 1. Poverty  
 2. More employment opportunities in metropolitan cities  
 3. Government schemes  
 4. Lack of employment  
 5. Better crops  
 (a) 1,2 and 5 (b) 1,2 and 4 (c) 2,4 and 5 (d) 2,3 and 4
- (III) One of the policies that is required to be designed in a way to provide safety for those living at the brink of poverty is: (1)  
 (a) fiscal (b) monetary (c) administrative (d) All of these
- (IV) What does Oxfam report reveal about the distribution of wealth? (2)
- (VI) In the line "... employment which provides a liveable wage", the word 'liveable' DOES NOT refer to: (1)  
 (a) good enough (b) acceptable (c) frugal (d) comfortable
- (VI) According to the world poverty clock, how many Indians escape extreme poverty line every minute? What does this indicate about India's economic growth? (2)
- (VII) Choose the option that lists statement that is NOT TRUE. (1)  
 (a) One-third of people in India live in poverty.  
 (b) Corruption contributes to poverty.  
 (c) Chandigarh has the lowest number of people living below poverty line.  
 (d) Poverty may develop due to limited resources.
- (VIII) The year 2020 is an extremely challenging year for: (1)  
 (a) the government  
 (b) the businessmen  
 (c) the people living on the border line of poverty  
 (d) All of these

### **SECTION B: WRITING SKILLS (22 Marks)**

3. You are Ravi/Raveena, a student of Delhi Public School, Gandhinagar who wishes to take admission in commerce stream after finding Science stream difficult. Write an application to the Principal requesting him to consider your case and allow you to change your subject. (Give a proper reason for change of subject and as to why you should be taken into consideration) 1x3
4. Recently you received a book as prize in the school annual function. Write a factual description not more than 100 words. 1 x 4 = 4
5. Attempt ANY ONE of the two, (A) or (B), in 100-120 words. 1 x 7 = 7  
 A. You have come across an article about the harm to the environment due to e-waste, meaning the electronic waste generated by people throwing away their obsolete, unwanted and non- functional electronic and electrical equipment and appliances like mobiles, laptops, TV sets, radios, old refrigerators etc. Write a letter to the Editor of a National daily making people aware of the problems that rise due to the e- waste. Use idea from MCB units on 'Science' and 'Environment'. You are Ankit/ Ankita of H.NO122, Gandhi Road, Durgapur, West Bengal.

OR

- B. You are Kavish/ Kavita, a resident of Amar Colony, New Delhi. You are sports lover. Write a letter to the Editor of a national daily expressing your views on improving facilities for sports person. Use your own ideas along with those from the MCB unit -1 Health and Medicine, to write the letter.

6. Attempt **ANY ONE** of the two, (A) or (B), in 150 words. 1x8=8

- A Every activity that man indulges in create pollution and waste of some kind. In fact, the need of the hour is to reduce pollution in all possible ways. Write an article on the topic "Reduce Pollution- The Need of the Hour". You may use your own ideas along with the given cues and your reading of the MCB Unit 3: Science

What is pollution--Reasons behind increase in pollution--Harmful effects of pollution--Steps to reduce pollution--Role of government
--

OR

- B To meet the employment needs, the youth today are venturing into startups. As Veena/Veer of Class X, write an article in about 150 words for your school magazine discussing the merits of start up as a boon to self-reliance. Use the cues below along with your ideas and from unit: Education, to write the article.

From job seeker to job creator--Self-reliance--Economic growth--Decision making freedom--Flexible working conditions
--

### SECTION C: GRAMMAR (10 MARKS)

7. Fill in the blanks (i)- (iii) with the appropriate option from those in the brackets. (3 x 1 =3)

The life of soldiers stationed at Siachen is extremely tough. For drinking water, they have to break ice (i) \_\_\_\_\_ (in/from/upon) the glacier, boil it and drink it. There is one person (ii) \_\_\_\_\_ (assign/assigned/assigning) to keep the water warm at all times. The main task of the infantry (ii) \_\_\_\_\_ (be/was/is) to hold the ground and man the post.

8. The following paragraph has not been edited. There is one error in each line. Write the error and its correction as shown in the example. ( 4 x 1=4 )

Children has a dream and are always	a) -----	-----
excite about achieving it. As kids, we also	b) -----	-----
has our dreams but somehow as we grew older,	c) -----	-----
most in us forget about the dream.	d) -----	-----

9. Do as directed.

I. Rearrange the following jumble words/phrases in the given dialogue to create meaningful sentences.

Rajiv: What is the National sport of Bhutan?

Ranbir: Archery, I have heard that Archers of Bhutan are very committed while in the field.

Rajiv: \_\_\_\_\_ (Rearrange the jumble words below to complete Rajiv's reply)

pay no heed / Yes, / the plunging temperature / to / of winter/ they / when / in /archers of Bhutan / field / the/are/the

II Report the conversation given below by filling in the blanks to complete the following paragraphs.

Reporter: Will you participate in the upcoming tournament?

Player: Yes I have been training for it.

Reporter: All the best for your performance

The reporter asked the player (a)\_\_\_\_\_. The player responded (b)\_\_\_\_\_.

## SECTION D: LITERATURE(26 MARKS)

**10 Read the extracts given below and attempt ANY TWO by answering the questions that follow. (2x4=8)**

- (A) The postmaster didn't receive his own letter all that day. He worried all night and getting up at three, went to sit in the office. "When Ali comes at 4 o'clock, he mused, "I will give him the letter myself." (The Letter)
- a) Why did the postmaster go early to the post office that day? (1)
  - b) Which letter is the postmaster waiting for? (1)
  - c) What does he ultimately realise? (1)
  - d) How did he spend the night? (1)
- (B) At length did cross an albatross  
Through the fog it came,  
As if it had been a 'Christian soul'  
We hail it in God's name. (The Rime of the Ancient Mariner)
- a) What was the atmosphere around the ship when the albatross came? (1)
  - b) Why the albatross was called 'a Christian soul' (1)
  - c) Which word in the extract mean greeted? (1)
  - d) Explain the sentence 'We hailed it in God's name'. (1)
- (C) "Coward die many times before their death  
The valiant never taste of death but once'  
Of all wonders that I yet have heard'  
It seems to me most strange that men should fear." (Julius Caesar)
- a) Who is speaking these lines and to whom? (1)
  - b) Why does he say so? (1)
  - c) Which quality of the speaker is revealed here? (1)
  - d) Explain the first two lines. (1)

**11. Answer any five of the following 6 questions in about 30 to 40 words each? 5 x 2 = 10**

- a. Why were the author and his friend attracted towards the two boys? (2)
- b. How does the ghost reveal the secret of the author's ability of writing ghost stories? (2)
- c. How does Decius Brutus interpret Calpurnia's dream? (2)
- d. The poet has a dual attitude towards the snake. Why is it so? (2)
- e. What was Loona's adventure? How did Mrs Packletide react to it? (2)
- f. Whose influence did the nightingale come under and how did it affect her? (2)

**12. Answer any one of the following questions. Answer any one of the following questions in about 150 words. (8 x 1=8)**

The two poems, "Nor Marble nor the Gilded Monuments" and "Ozymandias" are based on the theme of time. Compare and contrast the two poems, how the two poems explore the theme of time.

**OR**

It was the sisters' greed and materialism which destroyed the family and their relationship. Taking help from the chapter 'The Dear Departed' write an article on the topic 'The love of money is the root of all evil'.

# केंद्रीय विद्यालय संगठन, भुवनेश्वर संभाग

## प्राक् परिषदीय परीक्षा-1 (2025-26)

कक्षा - दसवीं

विषय- हिंदी पाठ्यक्रम (कोड-002)

अधिकतम अंक - 80

निर्धारित समय - 3 घंटे

सामान्य निर्देश :

निम्नलिखित निर्देशों को बहुत सावधानी से पढ़िए और उनका सख्ती से अनुपालन कीजिए :

- (i) इस प्रश्नपत्र में कुल चार खंड हैं- क, ख, ग, घ ।
- (ii) इस प्रश्नपत्र में कुल 15 प्रश्न हैं। सभी प्रश्न अनिवार्य हैं।
- (ii) प्रश्नपत्र में आंतरिक विकल्प दिए गए हैं।
- (iv) प्रश्नों के उत्तर दिए गए निर्देशों का पालन करते हुए लिखिए ।

	खंड-क (अपठित बोध)	अंक 14
1.	निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर उस पर आधारित दिए गए प्रश्नों के उत्तर लिखिए:	7
	नैनो प्रौद्योगिकी एक ऐसी तकनीक है जो पदार्थों को नैनो स्तर पर नियंत्रित करने में मदद करती है, जिससे उनके गुणों में परिवर्तन होता है और नए पदार्थ बनते हैं जो विशिष्ट गुणों के साथ होते हैं। नैनो प्रौद्योगिकी के अनुप्रयोग विभिन्न क्षेत्रों में हैं, जैसे कि चिकित्सा, ऊर्जा, इलेक्ट्रॉनिक्स, और सामग्री विज्ञान। नैनो प्रौद्योगिकी के माध्यम से हम पदार्थों के गुणों को बदल सकते हैं और नए पदार्थ बना सकते हैं जो विशिष्ट गुणों के साथ होते हैं। नैनो प्रौद्योगिकी के अनुप्रयोगों में से एक है चिकित्सा क्षेत्र में इसका उपयोग। नैनो प्रौद्योगिकी के माध्यम से हम दवाओं को विशिष्ट कोशिकाओं तक पहुँचाने में मदद कर सकते हैं और बीमारियों का इलाज कर सकते हैं। इसके अलावा, नैनो प्रौद्योगिकी का उपयोग ऊर्जा क्षेत्र में भी किया जा रहा है, जैसे कि सौर ऊर्जा और ईंधन कोशिकाओं में। नैनो प्रौद्योगिकी के विकास के लिए हमें विभिन्न क्षेत्रों में अनुसंधान करना होगा, जैसे कि नैनो पदार्थों के गुणों को समझना, उनके अनुप्रयोगों को विकसित करना, और नैनो प्रौद्योगिकी के सुरक्षा और नैतिक पहलुओं पर ध्यान देना होगा। नैनो प्रौद्योगिकी के विकास के लिए हमें विभिन्न चुनौतियों का सामना करना होगा, जैसे कि नैनो पदार्थों के गुणों को नियंत्रित करना, उनके अनुप्रयोगों को विकसित करना, और नैनो प्रौद्योगिकी के सुरक्षा और नैतिक पहलुओं पर ध्यान देना होगा। इसके अलावा, हमें नैनो प्रौद्योगिकी के विकास के लिए विभिन्न क्षेत्रों में सहयोग करना होगा, जैसे कि विज्ञान, प्रौद्योगिकी, और उद्योग।	
(क)	यदि नैनो प्रौद्योगिकी चिकित्सा क्षेत्र में दवाओं को विशिष्ट कोशिकाओं तक पहुँचाने में	1

	<p>सफल हो जाती है, तो इसका सबसे बड़ा निहितार्थ क्या होगा?</p> <p>(i) दवा उत्पादन की लागत में वृद्धि होगी।</p> <p>(ii) पारंपरिक दवाओं का उपयोग पूरी तरह से समाप्त हो जाएगा।</p> <p>(iii) दवाओं की प्रभावकारिता बढ़ेगी और लक्षित उपचार संभव होगा</p> <p>(iv) नैनो पदार्थों का निर्माण आसान हो जाएगा।</p>	
(ख)	<p>निम्नलिखित कथन और कारण पर विचार करते हुए उपयुक्त विकल्प का चयन कर लिखिए-</p> <p>कथन : नैनो प्रौद्योगिकी एक ऐसी तकनीक है जो पदार्थों को नैनो स्तर पर नियंत्रित करने में मदद करती है।</p> <p>कारण : नैनो प्रौद्योगिकी के माध्यम से हम पदार्थों के गुणों को बदल सकते हैं और नए पदार्थ बना सकते हैं जो विशिष्ट गुणों के साथ होते हैं।</p> <p>विकल्प :</p> <p>(i) हाँ, कथन और कारण दोनों सही हैं और कारण कथन की व्याख्या करता है।</p> <p>(ii) हाँ, कथन और कारण दोनों सही हैं लेकिन कारण कथन की व्याख्या नहीं करता है।</p> <p>(iii) कथन सही है लेकिन कारण गलत है।</p> <p>(iv) कथन गलत है लेकिन कारण सही है।</p>	1
(ग)	<p>नैनो प्रौद्योगिकी के विकास के लिए हमें किन चुनौतियों का सामना करना होगा ?</p> <p>उचित विकल्प का चयन करें-</p> <p>(I) नैनो पदार्थों के गुणों को नियंत्रित करना</p> <p>(II) नैनो प्रौद्योगिकी के सुरक्षा और नैतिक पहलुओं पर ध्यान देना</p> <p>(III) नैनो प्रौद्योगिकी के अनुप्रयोगों को विकसित करना</p> <p>(IV) नैनो प्रौद्योगिकी पदार्थों को नैनो स्तर पर नियंत्रित करने में मदद नहीं करती है।</p> <p>विकल्प :</p> <p>(i) केवल कथन (I) सही है।</p> <p>(ii) कथन (I) और (II) सही हैं।</p> <p>(iii) कथन (I), (II) और (III) सही हैं।</p> <p>(iv) कथन (I) और (IV) सही हैं।</p>	1
(घ)	नैनो प्रौद्योगिकी के विकास के लिए किन तीन पहलुओं पर ध्यान देना आवश्यक है?	2
(ङ)	नैनो प्रौद्योगिकी के विकास के लिए हमें किन दो महत्वपूर्ण क्षेत्रों में अनुसंधान करना होगा?	2
2.	<b>निम्नलिखित काव्यांश को ध्यानपूर्वक पढ़कर उस पर आधारित दिए गए प्रश्नों के उत्तर लिखिए:</b>	7
	<p>धरा थरथराई, नभ भी काँपा, मनुज का लोभ न रुका कहीं; वन-वन उजड़े, सरिता रूठी, जीवन का स्रोत सूखा यहीं।</p>	



	<p>कभी जो पेड़ों की छाया में, पाता था मन विश्राम सरल; आज उसी छाँव की खोज में, भटक रहा है जन-जन विफल । कितना कठिन है सच स्वीकारा, प्रकृति नहीं मानव की दासी; जिसने उसको बाँधना चाहा, वह अब बना विपदा की फाँसी।</p>	
(क)	<p>मनुष्य के किस अनियंत्रित भाव ने प्रकृति को विचलित कर दिया है? (i) मनुष्य का अत्यधिक प्रेम जो प्रकृति के प्रति 'समर्पण का भाव रखता है। (ii) मनुष्य का लालच, कहीं भी रुकने का नाम नहीं लेता। (iii) मनुष्य का क्रोध जो उसने अपने शत्रुओं पर व्यक्त किया है। (iv) मनुष्य का उत्साह जो उसे निरंतर नए अविष्कार करने को प्रेरित करता है।</p>	1
(ख)	<p>सबसे कठिन सत्य क्या है? जिसे स्वीकार करने में मनुष्य को मुश्किल हो रही है? (i) यह कि मनुष्य की शक्ति प्रकृति से अधिक है और वह सब कुछ नियंत्रित कर सकता है। (ii) यह कि धरती पर मौजूद संसाधन सीमित हैं और उनका दोहन रुकना चाहिए। (iii) यह कि प्रकृति किसी भी मानव की गुलाम नहीं है और उसे अपनी इच्छानुसार नियंत्रित नहीं किया जा सकता। (iv) यह कि मनुष्य को अब पूरी तरह से प्रकृति पर निर्भर रहना छोड़ देना चाहिए।</p>	1
(ग)	<p>निम्नलिखित कथन और कारण पर विचार करते हुए उपयुक्त विकल्प का चयन कीजिए: कथन: वनों के नष्ट होने से मानव भटकता फिर रहा है। कारण : वनों की छाया और प्राकृतिक संपदा ही जीवन को संतुलित रखती है। विकल्प : (i) कथन और कारण दोनों सही हैं और कारण कथन की सही व्याख्या है। (ii) कथन और कारण दोनों सही हैं किन्तु कारण कथन की सही व्याख्या नहीं है। (iii) कथन सही है किन्तु कारण गलत है। (iv) कथन गलत है, किन्तु कारण सही है।</p>	1
(घ)	'जीवन का स्रोत सूखा यहीं 'कहने का क्या तात्पर्य है?	2
(ङ)	कविता के आधार पर स्पष्ट कीजिए कि प्रकृति को बाँधने का प्रयास मानव के लिए किस प्रकार "विपदा की फाँसी" बन गया है।	2
	<p><b>खंड -ख</b> <b>(व्यावहारिक व्याकरण)</b></p>	16
3.	निर्देशानुसार 'रचना के आधार पर वाक्य भेद' पर आधारित पाँच प्रश्नों में से किन्हीं चार के उत्तर लिखिए :	1x4=4
(क)	जब मैंने पुस्तक खोली, तो उसमें एक पुराना पत्र मिला। जिसे पढ़कर मैं भावुक हो उठा। (संयुक्त वाक्य में बदलिए )	1

(ख)	स्वच्छंदता के स्थान पर हमें निष्ठा और गंभीरता से काम करना चाहिए।(रचना की दृष्टि से वाक्य का भेद लिखिए)	1
(ग)	जैसे ही मैंने दरवाज़ा खोला, वैसे ही एक तेज़ हवा का झोंका अंदर आया।(सरल वाक्य में बदलिये)	1
(घ)	मैंने यह बात सुनी थी कि वह बनारस चला गया है। (रेखांकित उपवाक्य का भेद लिखिए)	1
(ङ)	हालदार साहब चौराहे की ओर लपके, और उन्होंने मूर्ति के सामने अटेंशन की मुद्रा में खड़े होकर सलाम किया। (मिश्र वाक्य में बदलिये)	1
4.	<b>निर्देशानुसार 'वाच्य' पर आधारित पाँच प्रश्नों में से किन्हीं चार के उत्तर लिखिए।</b>	1x4=4
(क)	मैं दीपावली के अवसर पर मिट्टी के सुंदर दीए जलाऊँगा। (कर्मवाच्य में बदलिये)	1
(ख)	अध्यापक द्वारा दसवीं कक्षा के सभी विद्यार्थियों को एक जटिल परियोजना दी गई है। (कर्तृवाच्य में बदलिये)	1
(ग)	माता-पिता ने बचपन से ही हमें सत्य के मार्ग पर चलना सिखाया। (वाच्य पहचानकर भेद बताइए)	1
(घ)	बीमार बच्चे से रात भर चैन से सोया नहीं गया। (कर्तृवाच्य में बदलिये)	1
(ङ)	सुबह की सैर के लिए जल्दी उठो।(भाववाच्य में बदलिये)	1
5.	<b>निर्देशानुसार 'पद परिचय' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के रेखांकित पदों का पद परिचय लिखिए :</b>	1x4=4
(क)	कल अचानक आई भयंकर बारिश के कारण, सारा खेल मैदान <u>बाहर</u> से जलमग्न हो गया था।	1
(ख)	तुम कल ही क्यों आओगे?	1
(ग)	पक्षी अपना घोंसला बनाने के लिए उपयुक्त जगह <u>खोजता</u> है।	1
(घ)	कर्मयोगी व्यक्ति फल की चिंता किए बिना, <u>निर्लिप्त भाव</u> से अपना कर्तव्य पूरा करता है।	1
(ङ)	कल कक्षा में <u>अध्यापक महोदय</u> ने हमें 'पर्यावरण संरक्षण' पर एक बहुत ही महत्वपूर्ण पाठ पढ़ाया।	1
6.	<b>निर्देशानुसार 'अलंकार' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के रेखांकित काव्य पंक्तियों में अलंकार पहचान कर लिखिए :</b>	1x4=4
(क)	<u>मैया मैं तो चन्द्र खिलौना लैहों। तेरी सौंह, नहीं तो माखन न खैहों।</u>	1
(ख)	<u>बिजली-सी कौंधी उसकी आँख में, क्षण भर में सब चमक उठा।</u>	1
(ग)	सागर के उर पर <u>नाच नाच करती हैं लहरें मधुर गान।</u>	1
(घ)	अति कटु वचन कहति कैकेई, <u>मानहु लोन जरे पर देई।</u>	1
(ङ)	<u>तुम्हारी यह दंतुरित मुसकान, मृतक में भी डाल देगी जान ।</u>	1
	<b>खंड-ग</b> ( पाठ्य पुस्तक एवं पूरक पाठ्य पुस्तक)	30
7.	<b>निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए ।</b>	1x5=5

	<p>हमारी सभ्यता का एक बड़ा अंश हमें ऐसे संस्कृत आदमियों से ही मिला है, जिनकी चेतना पर स्थूल भौतिक कारणों का प्रभाव प्रधान रहा है, किंतु उसका कुछ हिस्सा हमें मनीषियों से भी मिला है जिन्होंने तथ्य-विशेष को किसी भौतिक प्रेरणा के वशीभूत होकर नहीं, बल्कि उनके अपने अंदर की सहज संस्कृति के ही कारण प्राप्त किया है। रात के तारों को देखकर न सो सकने वाला मनीषी हमारे आज के ज्ञान का ऐसा ही प्रथम पुरस्कर्ता था। भौतिक प्रेरणा, ज्ञानेप्सा-क्या ये दो ही मानव संस्कृति के माता-पिता हैं? दूसरे के मुँह में कौर डालने के लिए जो अपने मुँह का कौर छोड़ देता है, उसको यह बात क्यों और कैसे सूझती है? रोगी बच्चे को सारी रात गोद में लिए जो माता बैठी रहती है, वह आखिर ऐसा क्यों करती है? सुनते हैं कि रूस का भाग्यविधाता लेनिन अपनी डैस्क में रखे हुए डबल रोटी के सूखे टुकड़े स्वयं न खाकर दूसरों को खिला दिया करता था। वह आखिर ऐसा क्यों करता था? संसार के मज़दूरों को सुखी देखने का स्वप्न देखते हुए कार्ल मार्क्स ने अपना सारा जीवन दुख में बिता दिया। और इन सबसे बढ़कर आज नहीं, आज से ढाई हजार वर्ष पूर्व सिद्धार्थ ने अपना घर केवल इसलिए त्याग दिया कि किसी तरह तृष्णा के वशीभूत लड़ती-कटती मानवता सुख से रह सके। हमारी समझ में मानव संस्कृति की जो योग्यता आग व सुई-धागे का आविष्कार कराती है; वह भी संस्कृति है जो योग्यता तारों की जानकारी कराती है, वह भी है; और जो योग्यता किसी महामानव से सर्वस्व त्याग कराती है, वह भी संस्कृति है।</p>	
(क)	<p>अनुच्छेद के आधार पर, 'संस्कृत आदमी' और 'मनीषी' के बीच चेतना की प्रेरणा के संबंध में मुख्य अंतर क्या है?</p> <p>विकल्प -</p> <p>(i) संस्कृत आदमी हमेशा भौतिक प्रेरणा से, जबकि मनीषी हमेशा केवल राजनीतिक प्रेरणा से प्रेरित थे।</p> <p>(ii) संस्कृत आदमी की चेतना पर स्थूल भौतिक कारणों का प्रभाव प्रधान रहा है, जबकि मनीषी ने सहज संस्कृति के कारण तथ्य प्राप्त किया।</p> <p>(iii) संस्कृत आदमी ने आग का आविष्कार किया, जबकि मनीषी ने सुई-धागे का।</p> <p>(iv) संस्कृत आदमी अपनी रोटी दूसरों को खिलाई, जबकि मनीषी ने नहीं।</p>	1
(ख)	<p>अनुच्छेद में, कार्ल मार्क्स का उदाहरण किस नैतिक या सांस्कृतिक योग्यता को स्पष्ट करने के लिए दिया गया है?</p> <p>(i) अपनी डैस्क में रखी सूखी रोटी दूसरों को खिलाने की उदारता।</p> <p>(ii) संसार के मज़दूरों को सुखी देखने का स्वप्न देखते हुए अपना सारा जीवन दुख में बिताना।</p> <p>(iii) आग व सुई-धागे का आविष्कार करने की योग्यता।</p> <p>(iv) तृष्णा के वशीभूत होकर लड़ती-कटती मानवता को सुख देना।</p>	1

(ग)	<p>निम्नलिखित कथन और कारण पर विचार करते हुए उपयुक्त विकल्प का चयन कीजिए:</p> <p>कथन : गद्यांश में मानवता के हितार्थ सर्वस्व त्यागने वाली महान विभूतियों का उल्लेख किया है।</p> <p>कारण : महान विभूतियाँ कार्ल मार्क्स, बुद्ध और लेनिन हैं।</p> <p>विकल्प -</p> <p>(i) हाँ, कथन और कारण दोनों सही हैं और कारण कथन की व्याख्या करता है।</p> <p>(ii) हाँ, कथन और कारण दोनों सही हैं लेकिन कारण कथन की व्याख्या नहीं करता है।</p> <p>(iii) कथन सही है लेकिन कारण गलत है।</p> <p>(iv) कथन गलत है लेकिन कारण सही है।</p>	1
(घ)	<p>गद्यांश में वर्णित करुणा और त्याग का उदाहरण है:</p> <p>(i) किसी भूखे को भोजन कराना</p> <p>(ii) जानेप्सा में समय बिताना</p> <p>(iii) रोगी शिशु की सेवा में माँ का रातभर जागना</p> <p>(iv) विकल्प (i) और (iii) दोनों सही हैं।</p>	1
(ङ)	<p>सिद्धार्थ ने घर क्यों त्याग दिया था? सही विकल्प का चयन कीजिए।</p> <p>(I) अपने परिवार के व्यवहार से क्षुब्ध होकर</p> <p>(II) ईश्वर की प्राप्ति के लिए</p> <p>(III) तृष्णा से वशीभूत मानवता के उद्धार के लिए</p> <p>(IV) मानवीय दुःख का निवारण के लिए</p> <p>विकल्प :</p> <p>(i) कथन (I) और (II) सही हैं।</p> <p>(ii) कथन (III) और (IV) सही हैं।</p> <p>(iii) केवल कथन (IV) सही है।</p> <p>(iv) केवल कथन (I) सही है।</p>	1
8.	निर्धारित गद्य पाठों के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 - 30 शब्दों में लिखिए:	2x3=6
(क)	बालगोबिन भगत द्वारा अपने इकलौते पुत्र की मृत्यु के समय पुत्रवधू से कही गई बातों का क्या अर्थ निकलता है?	2
(ख)	“नेताजी का चश्मा” पाठ किन सामाजिक संदेशों को उजागर करती है?	2
(ग)	नवाब साहब और लेखक दोनों की इच्छा खीरा खाने की थी फिर भी उन्होंने खीरा क्यों नहीं खाया ? ‘लखनवी अंदाज़’ पाठ के आधार पर स्पष्ट कीजिए।	2

(घ)	महानगरों की फ्लैट-कल्चर और मन्नु भंडारी के पड़ोस कल्चर की तुलना कीजिए और दोनों के बीच के मुख्य अंतरों को 'एक कहानी यह भी' पाठ के आधार पर स्पष्ट कीजिए।	2
9	निम्नलिखित पठित पद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए :	1x5=5
	<p>तुम मुझे पाए नहीं पहचान?  देखते ही रहोगे अनिमेष !  थक गए हो?  आँख लूँ मैं फेर?  क्या हुआ यदि हो सके परिचित न पहली बार ?  यदि तुम्हारी माँ न माध्यम बनी होती आज  मैं न सकता देख  मैं न पाता जान  तुम्हारी यह दंतुरित मुस्कान  धन्य तुम, माँ भी तुम्हारी धन्य!  चिर प्रवासी मैं इतर, मैं अन्य !  इस अतिथि से प्रिय तुम्हारा क्या रहा संपर्क  उँगलियाँ माँ की कराती रही हैं मधुपर्क  देखते तुम इधर कनखी मार  और होतीं जब कि आँखें चार  तब तुम्हारी दंतुरित मुस्कान  मुझे लगती बड़ी ही छविमान !</p>	
(क)	<p>पद्यांश आधार पर, शिशु की दंतुरित मुस्कान का कवि के जीवन के पर क्या मनोवैज्ञानिक प्रभाव पड़ा?</p> <p>(i) कवि को अपनी चिरप्रवासी पहचान पर ग्लानि महसूस हुई।  (ii) शिशु की मुस्कान ने कवि के हृदय में वात्सल्य और जीवन के प्रति नवीन आशा का संचार किया।  (iii) कवि को घर छोड़कर जाने का निश्चय और मजबूत हो गया।  (iv) कवि और शिशु की माँ के बीच दूरी बढ़ गई ।</p>	1
(ख)	<p>शिशु की दंतुरित मुस्कान कवि को कब छविमान लगती है?</p> <p>सही विकल्प का चयन कीजिए-</p> <p>(I) जब बच्चा कवि को स्पर्श करता है।  (II) जब बच्चा दूध पीता है।  (III) जब कवि की आँखें बच्चे के साथ मिलती हैं।  (IV) जब कमल खिलते हैं।</p> <p>विकल्प -</p>	1

	(i) कथन (I) और (II) सही हैं। (ii) केवल कथन (III) सही है। (iii) कथन (II) और (III) सही हैं। (iv) कथन (II) और (IV) सही हैं।	
(ग)	निम्नलिखित कथन और कारण पर विचार करते हुए उपयुक्त विकल्प का चयन कर लिखिए- कथन : शिशु की सुंदर मुस्कान से कवि का परिचय शिशु की माँ के माध्यम से हुआ। कारण : कवि यायावरी प्रवृत्ति का है। विकल्प - (i) कथन गलत है किंतु, कारण सही है। (ii) कथन और कारण दोनों ही गलत हैं। (iii) कथन सही है और कारण कथन की सही व्याख्या है। (iv) कथन सही है किंतु कारण कथन की सही व्याख्या नहीं है।	1
(घ)	जब शिशु और कवि की 'आँखें चार होती हैं' तो क्या होता है? (i) शिशु डर जाता है । (ii) शिशु की दंतुरित मुसकान कवि को छविमान लगती है । (iii) शिशु रोने लगता है । (iv) शिशु आँखें फेर लेता है ।	1
(ङ)	कवि किस बात पर अपनी और शिशु की माँ की धन्यता व्यक्त करता है ? (i) माँ के कारण शिशु की मुसकान देख पाने पर (ii) अपने चिर-प्रवासी होने पर (iii) शिशु के अतिथि से संपर्क न होने पर (iv) शिशु की कनखी से देखने की आदत पर	1
10.	<b>निर्धारित कविताओं के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में लिखिए:</b>	2x3=6
(क)	संगतकार जैसे व्यक्ति की संसार में क्या उपयोगिता है? 'संगतकार' कविता के आधार पर समझाइए।	2
(ख)	'फसल' कविता में फसल उपजाने के लिए आवश्यक तत्वों की बात कही गई है। वे आवश्यक तत्व कौन-कौन-से हैं?	2
(ग)	फागुन के प्रभाव से पेड़ों की डालियों का स्वरूप किस तरह का हो गया है? 'अट नहीं रही हैं' कविता के आधार पर लिखिए ।	2
(घ)	'राम-लक्ष्मण-परशुराम संवाद' में लक्ष्मण ने अपने कुल की किन विशेषताओं का उल्लेख किया है? (किन्हीं दो विशेषताओं का वर्णन कीजिए।)	2
11.	<b>पूरक पाठ्यपुस्तक के निर्धारित पाठों पर आधारित निम्नलिखित तीन प्रश्नों में से किन्हीं दो के उत्तर लगभग 50-60 शब्दों में लिखिए:</b>	4x2=8
(क)	'मैं क्यों लिखता हूँ' पाठ के आधार पर हिरोशिमा त्रासदी को विज्ञान के भयावह दुरुपयोग का	4

	प्रतीक मानते हुए, वर्तमान युग में प्रौद्योगिकी के गलत इस्तेमाल के प्रमुख क्षेत्रों की पहचान कीजिए और उनके संभावित गंभीर परिणामों का विश्लेषण कीजिए।	
(ख)	पहाड़ी औरतों के श्रम और उनकी स्थिति का वर्णन करके बताइए कि इससे हमें क्या सीखने को मिलता है? 'साना-साना हाथ जोड़ि' पाठ के आधार पर अपने विचार लिखिए।	4
(ग)	'माता का अँचल' पाठ के आधार पर भोलानाथ के खेल और आपके खेल के बीच के अंतर से हमें क्या मूल्य मिलते हैं? यह अंतर हमारे समाज और संस्कृति के बारे में क्या बताता है?	4
	<b>खंड-घ</b> ( रचनात्मक लेखन )	20
12.	<b>निम्नलिखित तीन विषयों में से किसी एक विषय पर संकेत बिन्दुओं के आधार पर लगभग 120 शब्दों में अनुच्छेद लिखिए:</b>	6x1=6
(क)	<b>डिजिटल भुगतान: एक नई क्रांति</b> <b>संकेत-बिंदु-</b> <ul style="list-style-type: none"> <li>डिजिटल भुगतान क्या है ?</li> <li>डिजिटल भुगतान क्रांति के मुख्य कारण एवं लाभ</li> <li>चुनौतियाँ एवं समाधान</li> </ul>	
(ख)	<b>खेल और युवा पीढ़ी</b> <b>संकेत बिंदु-</b> <ul style="list-style-type: none"> <li>शारीरिक व मानसिक स्वास्थ्य पर सकारात्मक प्रभाव</li> <li>अनुशासन, सहयोग और नेतृत्व क्षमता का विकास</li> <li>राष्ट्र का गौरव और अंतराष्ट्रीय पहचान</li> </ul>	
(ग)	<b>विकसित भारत: आत्मनिर्भरता की ओर बढ़ता कदम</b> <b>संकेत बिंदु-</b> <ul style="list-style-type: none"> <li>परिचय और संकल्प</li> <li>तकनीकी और आर्थिक स्वायत्तता</li> <li>ऊर्जा और मानव पूंजी में आत्मनिर्भरता</li> </ul>	
13	<b>किसी एक विषय पर लगभग 100 शब्दों में पत्र लिखिए:</b>	5x1=5
	<p>(क)आप अर्पित/अर्पिता हैं। युवा पीढ़ी में मोबाइल फोन और इंटरनेट के अत्यधिक उपयोग के दुष्परिणामों पर चिंता व्यक्त करते हुए तथा इसके सकारात्मक उपयोग के लिए जागरूकता फैलाने हेतु किसी लोकप्रिय दैनिक समाचार-पत्र संपादक को लगभग 100 शब्दों में पत्र लिखिए ।</p> <p style="text-align: center;"><b>अथवा</b></p> <p>(ख)आप चिन्मय/ चिन्मयी हैं। आपने हाल ही में एक पुस्तक पढ़ी है जिसने आपको बहुत प्रेरित किया। उस पुस्तक की विशेषताओं का उल्लेख करते हुए अपने मित्र को वह पुस्तक पढ़ने की सलाह देते हुए लगभग 100 शब्दों में पत्र लिखिए।</p>	

14.	<p>(क)आप अनुराग/अनुराधा हैं। आपने पुस्तकालय विज्ञान में डिग्री ली है। आपके शहर के किसी प्रतिष्ठित विद्यालय में पुस्तकालयाध्यक्ष के कुछ पद रिक्त हैं। आपको उसे पद के लिए आवेदन करना है। इसके लिए लगभग 80 शब्दों में अपना एक स्ववृत्त लेख तैयार कीजिए।</p> <p style="text-align: center;"><b>अथवा</b></p> <p>(ख)आप आदित्य / अदिति हैं। आपने एक ऑनलाइन शॉपिंग कंपनी के माध्यम से कुछ सामान खरीदा, लेकिन तय राशि के भुगतान के बाद भी आपको अपना सामान नहीं मिला। कंपनी प्रबंधक से इसकी शिकायत करते हुए 80 शब्दों में एक ई-मेल लिखिए।</p>	5x1=5
15.	<p>(क) 'वन्यजीव संरक्षण' के महत्व पर जोर देने वाला एक जनहितकारी विज्ञापन लगभग 40 शब्दों में तैयार कीजिए।</p> <p style="text-align: center;"><b>अथवा</b></p> <p>(ख)छोटे भाई को 'दीपावली' पर्व की शुभकामना देते हुए लगभग 40 शब्दों में एक बधाई संदेश लिखिए।</p>	4x1=4

\*\*\*\*\*समाप्त\*\*\*\*\*



**KENDRIYA VIDYALAYA SANGATHAN, BHUBANESWAR REGION**  
**PRE-BOARD EXAMINATION (2025-26)**

**CLASS -X**

**SUBJECT- COMMUNICATIVE SANSKRIT ( Code -119 )**

**MAX. MARKS = 80**

**MAX.TIME ALLOWED = 03 HOURS**

**सामान्यनिर्देशाः -**

1. कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 08 पृष्ठानि मुद्रितानि सन्ति ।
2. कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 18 प्रश्नाः सन्ति ।
3. अस्मिन् प्रश्नपत्रे चत्वारः भागाः सन्ति-  
 'क' भागः : अपठितावबोधनम् 10 अङ्काः  
 'ख' भागः : रचनात्मककार्यम् 15 अङ्काः  
 'ग' भागः : अनुप्रयुक्तव्याकरणम् 25 अङ्काः  
 'घ' भागः : पठितावबोधनम् 30 अङ्काः
4. प्रत्येकं भागम् अधिकृत्य उत्तराणि एकस्मिन् स्थाने क्रमेण लेखनीयानि ।
5. उत्तरलेखनात् पूर्व प्रश्नस्य क्रमाङ्कः अवश्यं लेखनीयः ।
6. प्रश्नस्य क्रमाङ्कः प्रश्नपत्रानुसारम् एव लेखनीयः ।
7. सर्वेषां प्रश्नानाम् उत्तराणि संस्कृतेन लेखनीयानि ।
8. प्रश्नानां निर्देशाः ध्यानेन अवश्यं पठनीयाः ।

**'क' भागः अपठित-अवबोधनम्**


**10 अङ्काः**

1.	<p><b>अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</b></p> <p>कदाचित् राज्ञी कस्मैचित् संन्यासिने सुवर्णेन निर्मितं रत्नखचितं भिक्षापात्रं दत्तवती । किन्तु संन्यासिना तु ततः अधिकसन्तोषः न प्राप्तः । विना प्रतिवचनं सः तत् प्राप्य ततः निर्गतवान् । मार्गे गच्छतः तस्य हस्ते स्थितं सुवर्णपात्रं कश्चन चौरः दृष्टवान् । सः तस्य अपहरणेच्छया तं संन्यासिनम् अनुसृतवान् । संन्यासी किञ्चिद्दूरं गत्वा एकं जीर्णमन्दिरं प्रविश्य तत् सुवर्णमयं भिक्षापात्रं बहिः क्षिप्तवान् । चौराणां एतत् दृष्ट्वा महत् आश्चर्यं प्राप्तम् । सः चौरः जीर्णमन्दिरं प्रविश्य करयोजनपूर्वकं नमस्कृत्य अपृच्छत् -“महात्मन् ! तत् पात्रम् अमूल्यम् । तथापि भवता तत् किमर्थं क्षिप्तम् ?” इति ।</p> <p>“मम दृष्ट्या सुवर्णमये पात्रे प्राप्ता अपि भिक्षा तु भिक्षा एव भवति । भवान् तु तत् पात्रं प्राप्तुं माम् अनुसृतवान् । तत् भवतः उपयोगाय भवेत् इति चिन्तयित्वा मया क्षिप्तम् ..” इति संन्यासी समन्दहासम् अवदत् । ‘अहो, अस्य निर्व्यामोहता’ इति चिन्तयन् सः चौरः अवनम्य तस्य संन्यासिनः पादौ अस्पृशत् । सः चौरः तस्मिन् एव दिने चौर्यवृत्तिं परित्यज्य महात्मनः शिष्यः जातः ।</p> <p><b>(I) एकपदेन उत्तरत- (केवलं प्रश्नद्वयम्)</b>        (क) राज्ञी कस्मै भिक्षापात्रं दत्तवती ?        (ख) संन्यासी कुत्र प्राविशत् ?        (ग) संन्यासी कथम् अवदत् ?</p> <p><b>(II) पूर्णवाक्येन उत्तरत (केवलं प्रश्नद्वयम्)</b>        (क) संन्यासी किम् अवदत् ?        (ख) संन्यासिनः वचनं श्रुत्वा चौरः किम् अचिन्तयत्, किं च अकरोत् ?        (ग) चौरः जीर्णमन्दिरं प्रविश्य करयोजनपूर्वकं संन्यासिनं नमस्कृत्य किम् अपृच्छत्</p> <p><b>(III) अस्य अनुच्छेदस्य कृते उपयुक्तं शीर्षकं संस्कृतेन लिखत ।</b>  <b>(IV) भाषिककार्यम्-</b></p>	<p align="center"><b>10</b></p> <p align="center"><b>1X2=2</b></p> <p align="center"><b>2X2=4</b></p>
----	--	---

	<p>(क) “सः तत् प्राप्य ततः निर्गतवान्” इत्यत्र क्रियापदं किम् ?  i) सः                      ii) प्राप्य                      iii) निर्गतवान्                      iv) चौरः  (ख) “त्यक्त्वा” इत्यर्थे किं पदं श्लोके प्रयुक्तम् ?  (ग) “संन्यासी सुवर्णमयं भिक्षापात्रं बहिः क्षिप्तवान्” इति वाक्ये विशेषणपदं किम्?  i) क्षिप्तवान्                      ii) भिक्षापात्रं                      iii) सुवर्णमयं                      iv) बहिः</p>	<p>1 1X3=3</p>
--	---	--------------------

‘ख’ भागः रचनात्मकम् –कार्यम्

15 अङ्काः

<p>2.</p>	<p>भवतां नाम अनन्यः । भवतां विद्यालये नूतनविधिना वार्षिकोत्सवः आयोजितः । तस्य वर्णनम् अधिकृत्य मित्रं आराध्यं प्रति लिखिते पत्रे मञ्जूषादत्तपदैः रिक्तस्थानानि पूरयित्वा पत्रं पुनः लिखत ।</p> <p>शैलश्रीविहारः  (i).....  दिनाङ्कः.....  (ii)..... आराध्य!, सस्नेहं नमस्ते । ह्यः एवं अस्माकं विद्यालये (iii) ..... सम्पन्नः जातः। तस्मिन्नेव अहम् अत्यधिकं व्यस्तः आसम् । जानासि किम् अभूतपूर्वमेव आसीत् तस्य आयोजनम् ? संक्षेपतः वर्णयामि । अस्माकं कक्षा चतुर्षु वर्गेषु (iv)..... आसीत् । एकः वर्गः समीपस्थेषु निर्धनानां (v)..... गत्वा आवश्यकतानुसारम् अन्नं, वस्त्रम् औषधं च (vi)..... । द्वितीयः वर्गः मदीयः आसीत् । अस्माभिः समीपवर्तिषु श्रमिकाणाम् आवासेषु (vii).....सूची निर्मिता येन तेषां (viii).....-व्यवस्था भवेत् । तृतीयेन वर्गेण निःशुल्कचिकित्सा शिविरस्य (ix).....कृता । चतुर्थेन वर्गेण विद्यालयस्य वाटिकायां वृक्षारोपणं कृतम् । यदि सर्वे विद्यालयाः एवं कुर्वन्तु तर्हि अस्माकं देशस्य शीघ्रमेव विकासः प्रगतिश्च भवेत् । पितृभ्यां नमः।  भवदीयम् अभिन्नमित्रम्  (x).....</p> <div style="border: 1px solid orange; border-radius: 50%; padding: 10px; display: inline-block;"> <p>मञ्जूषा</p> </div> <div style="border: 1px solid orange; padding: 10px; display: inline-block;"> <p>व्यवस्था, वार्षिकोत्सवसमारोहः, कुटीरेषु, अनन्यः, निरक्षरबालकानां, प्रियमित्र, शिक्षा, वितीर्णवान्, विभक्ता, भुवनेश्वरतः</p> </div>	<p><math>1\frac{1}{2} \times 10 = 5</math></p>
<p>3.अ.</p>	<p>प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तशब्दानां सहायतया पञ्चवाक्यानि संस्कृतेन लिखत-</p> 	<p>1X5=5</p>

आ.	<p>मञ्जूषा</p> <p>उद्यानम्, वृक्षाः, प्रातःभ्रमणम्, शुनकाः, बालिकाः, स्त्रियः, समाचारपत्रम्, आसन्दाः, मेघाः, गृहाणि, रज्ज्वा, वार्तालापं, क्रीडन्ति</p> <p>अथवा</p> <p>मञ्जूषायां प्रदत्त-शब्दानां साहाय्येन निम्नलिखितं विषयम् अधिकृत्य पञ्चभिः संस्कृतवाक्यैः एकम् अनुच्छेदं लिखत । “मम संस्कृतशिक्षकः”</p> <p>मञ्जूषा</p> <p>व्यक्तित्वम्, अनुशासनप्रियः, आकर्षकम्, संस्कृतशिक्षकः, संस्कृते प्रथमं श्लोकवाचनम्, सम्भाषणचतुरः, विनोदप्रियः, मधुरस्वरः, आदर्शः, प्रार्थनासभायां, सौम्यवेशं, परिश्रमी</p>	
4.अ.	<p>मञ्जूषाप्रदत्तपदैः रिक्तस्थानानि पूरयित्वा अधोलिखितसंवादं पुनः लिखत- परोपकाराय सतां विभूतयः</p> <p>दीपकः - नमस्ते। आगच्छतु भवान् उपविशतु । अतिथिः - उपविशामि तावत् । भवतः पितृमहोदयाः गृहे न सन्ति किम् ? दीपकः - स तु इदानीम् एव चिकित्सालयम् अगच्छत् । अतिथिः - किमर्थं ..... अगच्छत् ? दीपकः - नास्ति विशेषं कारणम् । स प्रतिदिनं रुग्णेभ्यः दुग्धं ..... तत्र गच्छति । अतिथिः - एवम् ..... दत्तुम् ! किं प्रतिदिनम् एव ? दीपकः - आम् ! यदा कदा फलानि अपि नयति । अतिथिः - महान् ..... अस्ति । दीपकः - किम् अत्र परोपकारः । एतत् तु अस्माकं कर्तव्यम् एव । अतिथिः - धन्योऽहं यत् एतेषाम् अद्य ..... भविष्यति । दीपकः - नहि, नहि। अद्य दर्शनं न भविष्यति यतः सः ततः एव कार्यालयं प्रति गमिष्यति । अतिथिः - श्वः अष्टवादने एव आगमिष्यामि । कृपया निवेदय 'तस्य बालमित्रं सुरेन्द्रः आगतः आसीत्' इति दीपकः - अवश्यमेव कथयिष्यामि । नमस्ते ।</p> <p>मञ्जूषा</p> <p>दातुम्, परोपकारः, दुग्धम्, चिकित्सालयम्, दर्शनम्</p> <p>अथवा</p> <p>मञ्जूषायाः सहायतया अधोलिखितां कथां पूरयित्वा पुनः लिखत-</p> <p>पुरा लङ्कायाः नृपः (i) ..... छलेन सीताम् अहरत् । श्रीरामः (ii) ..... च ताम् अन्वेष्टुं वने इतस्ततः अभ्रमताम् । वने श्रीरामस्य (iii) ..... वानरराजेन सुग्रीवेन सह (iv) ..... । मित्रधर्मं निर्वहन् श्रीरामः (v) ..... सहायताम् अकरोत् तस्य दुराचारिणं भ्रातरं बालिं च हत्वा किष्किन्धायाः सिंहासनम् अधिष्ठापयत् । सुग्रीवः अपि सीताम् अन्वेष्टुं (vi) ..... प्रेषितवान् । तेषु परमबुद्धिमान् वीरः च (vii) ..... अपि आसीत् । सः लङ्कां (viii) ..... सीताम् अन्विष्टवान् । अन्ते श्रीरामस्य (ix) ..... सह युद्धम् अभवत् । युद्धे श्रीरामः सर्वान् (x) ..... लङ्कापतिं रावणं च मारयित्वा सीतां प्राप्तवान् ।</p>	<p>1X5=5</p> <p>½ X10=5</p>

5.	<p>अधोलिखित-वाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिविच्छेदं वा कुरुत-</p> <p>(i) परित्यज्य फलं पक्वं <u>भुङ्क्तेऽपक्वं</u> विमूढधीः ।</p> <p>(ii) <u>पापिनाञ्च</u> सदा दुःखं सुखं वै पुण्यकर्मणाम् ।</p> <p>(iii) स्वाध्यायाभ्यसनं चैव वाङ्मयं <u>तपः+उच्यते</u> ।</p> <p>(iv) अधुना रमणीया हि <u>सृष्टिरेषा</u> जगत्पतेः ।</p> <p style="text-align: center;">अथवा</p> <p>अधोलिखित-वाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिविच्छेदं वा कुरुत-</p> <p>(i) तेषु <u>केचित् + दग्धाः</u> केचिद् अर्धदग्धाः केचन च पञ्चत्वं गताः ।</p> <p>(ii) अये कथं श्रीकृष्णार्जुनौ <u>युधिष्ठिरश्च</u>?</p> <p>(iii) न केवलं प्रकृतिः एव <u>संस्कृतिरपि</u> मनोहरा ।</p> <p>(iv) हे भरतर्षभ! त्वम् <u>इन्द्रियाणि+आदौ</u> नियम्य पाप्मानं कामं प्रजहि ।</p>	1X4=4
6.	<p>अधोलिखित-वाक्येषु रेखाङ्कितपदानां समस्तपदं विग्रहं वा प्रदत्तविकल्पेभ्यः चित्वा लिखत -</p> <p>i) परद्रव्ये <u>अनासक्ता</u> सा स्वपतिं सम्बोध्य उवाच ।</p> <p>क) नास्ति आसक्तिः यस्याः सा ख) न आसक्ता</p> <p>ग) अन् आसक्ता घ) न असक्ता</p> <p>ii) <u>पिकः च काकः च, तयोः</u> भेदः वसन्तसमये प्राप्ते भवति ।</p> <p>क) पिककाकौ ख) पिककाकाः</p> <p>ग) पिककाकम् घ) पिककाकयोः</p> <p>iii) अहं मनसः निग्रहं <u>दुष्करं</u> मन्ये</p> <p>क) दुःखेन क्रियते इति ख) दुःखेन क्रियते यत्</p> <p>ग) दुःखेन क्रियते यत् तत् घ) दुःखेन कर्तुं शक्यते यत्</p> <p>iv) वानरयूथपतिः <u>गद्गदेन सहितम्</u> अवदत् ।</p> <p>क) गद्गदसहितम् ख) सगद्गदम्</p> <p>ग) सगद्गदः घ) सहगद्गदम्</p>	1X4=4
7.	<p>अधोलिखित-वाक्येषु रेखाङ्कितपदानां प्रकृति-प्रत्ययौ संयोज्य विभज्य वा उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत - (केवलं प्रश्नचतुष्टयम्)</p> <p>i) <u>अवक्रता</u> मनुष्याणां चित्ते वाचि च भवेत् ।</p> <p>क) अवक्र+त्व ख) अवक्र+टाप्</p> <p>ग) अवक्र+तल् घ) अवक्र+ ता</p> <p>ii) <u>भगवान्</u> बोधिसत्त्वः बहुजन्मार्जितपुण्यफलैः शिवीनां राजा अभवत् ।</p> <p>क) भग+क्तवतु ख) भग+मतुप्</p> <p>ग) भग+क्त्वा घ) भग+तव्यत्</p> <p>iii) हिमाद्रितुङ्गशृङ्गैः <u>सुशोभिता</u> इयं सूर्योदयभूमिः ।</p>	1X4=4

	<p>क) सुशोभित+टाप् ख) सुशोभित+तल्</p> <p>ग) सुशोभित+क्त घ) सुशोभित+आ</p> <p>iv) अधुना <b>रमणीया</b> हि सृष्टिरेषा जगत्पते: ।</p> <p>क) रम्+ अनीया ख) रम् + अणीया</p> <p>ग) रम्+ अनीय घ) रम् + अनीयर्</p>	
8.	<p><b>वाच्यानुसारं मञ्जूषाप्रदतैः उचितपदैः रिक्तस्थानानि पूरयित्वा अधोलिखितं संवादं पुनः लिखत -</b></p> <p>माता - पुत्रि ! बहिः के आगच्छन्ति?</p> <p>पुत्री - बहिः भिक्षुकैः (i)..... ।</p> <p>माता - पुत्रि ! किं ते भोजनं याचन्ते ?</p> <p>पुत्री - मातः ! (ii)..... भोजनं न याच्यते ।</p> <p>माता - तर्हि भिक्षुकाः किं वाञ्छन्ति?</p> <p>पुत्री - मातः ! भिक्षुकैः (iii).....(वस्त्र) वाञ्छन्ति ।</p> <p>माता - पुत्रि ! तानि वस्त्राणि भिक्षुकाय दीयन्ते ।</p> <p><b>मञ्जूषा- ( तैः, आगम्यते, वस्त्राणि )</b></p> <p><b>अथवा</b></p> <p><b>वाच्यानुसारम् उचितपदैः रिक्तस्थानानि पूरयित्वा वाक्यानि पुनः लिखत - 3x1=3</b></p> <p>i) .....भवन्मनोरथं पूरयित्वा आत्मानम् अनुगृहीतं कर्तुम् इच्छामि । (अस्मत् शब्दः)</p> <p>ii) पश्यतु भवान् । कोऽयम् अनर्थः ..... एताभ्यां वीराभ्याम् । (कृ धातुः)</p> <p>iii) मित्ररूपाः हि ..... सम्भाषन्ते विचक्षणैः । (रिपु)</p>	1X3=3
9.	<p><b>कालबोधकशब्दैः अधोलिखित-दिनचर्या पूरयत -</b></p> <p>i) अभिनवः प्रातः (7:15)..... वादने विद्यालयं गच्छति ।</p> <p>ii) विद्यालये (10:30)..... वादने अर्धावकाशः भवति ।</p> <p>iii) मध्याह्ने (01:45) ..... वादने अवकाशः भवति ।</p>	1X3=3
10.	<p><b>मञ्जूषायां प्रदतैः उचितैः अव्ययपदैः अधिलिखितवाक्येषु रिक्तस्थानानि पूरयित -</b></p> <p>(i) प्राणत्राणाय अश्वाः .....अधावन् ।</p> <p>(ii) यूयं सर्वे .....मम प्रियाः ।</p> <p>(iii) अभ्यासेन तु कौन्तेय वैराग्येण .....गृह्यते ।</p> <p>(iv) अर्जुन ! त्वम् .....मुञ्च ब्रह्मास्त्रम् एतत् निवारयितुम् ।</p> <p><b>मञ्जूषा- ( अपि, इतस्ततः, एव, च )</b></p>	1X4=4
11.	<p><b>अधोलिखित-वाक्येषु रेखाङ्कित-अशुद्धपदाय उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत -</b></p> <p>(i) अस्मिन् प्रदेशे पञ्चाशदधिकाः नद्यः <b>प्रवहति</b> ।</p> <p>(क) प्रवहसि (ख) प्रवहतः</p> <p>(ग) प्रवहन्ति (घ) प्रवहामि</p> <p>(ii) इन्द्रस्य प्रभावेण राज्ञः सत्यपुण्यबलेन एकं चक्षुः <b>प्रतिष्ठितः</b> अभवत् ।</p> <p>(क) प्रतिष्ठिता (ख) प्रतिष्ठितम्</p> <p>(ग) प्रतिष्ठिताः (घ) प्रतिष्ठितानि</p> <p>(iii) तर्हि न जानासि <b>भवान्</b> तस्य मनोवृत्तिम् ।</p> <p>(क) त्वम् (ख) भवन्तः</p> <p>(ग) युवाम् (घ) भवन्तौ</p>	1X3=3

12.	<p><b>अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</b></p> <p>तस्य वचनम् अश्रद्धेयं मत्वा मदोद्धताः कपयः प्रहस्य अवदन्- 'भो! किमिदमुच्यते ? न वयं स्वर्गसमानोपभोगान् विहाय अटव्यां क्षार-तिक्त-कषाय-कटु-रूक्षफलानि भक्षयिष्यामः।' तच्छ्रुत्वा साश्रुनयनो यूथपतिः सगद्गदम् उक्तवान् रसनास्वादलुब्धाः यूयम् अस्य सुखस्य कुपरिणामं न जानीथ । अहं तु वनं गच्छामि ।</p> <p>अथ अन्यस्मिन् अहनि स मेषो यावत् महानसं प्रविशति तावत् सूपकारेण अर्धज्वलितकाष्ठेन ताडितः । ऊर्णाप्रचुरः मेषः वह्निना जाज्वल्यमानशरीरः निकटस्थाम् अश्वशालां प्रविशति दाहवेदनया च भूमौ लुठति । तस्य क्षितौ प्रलुठतः तृणेषु वह्निज्वालाः समुत्थिताः ।</p> <p><b>I. एकपदेन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) मदोद्धताः के आसन् ?  (ii) कः सगद्गदम् उक्तवान् ?  (iii) वह्निज्वालाः कुत्र समुत्थिताः ?</p> <p><b>II. पूर्णवाक्येन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) साश्रुनयनो यूथपतिः सगद्गदं किम् उक्तवान् ?  (ii) मेषः किमर्थं भूमौ लुठति ?  (iii) कीदृशः मेषः अश्वशालां प्रविशति ?</p> <p><b>III. (क) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) 'अवदन्' क्रियापदस्य कर्तृपदं किं प्रयुक्तम् ?  (ii) 'यूथपतिः' इति पदस्य किं विशेषणपदं प्रयुक्तम् ?</p> <p style="text-align: center;"><b>अथवा</b></p> <p><b>(ख) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) 'भूमौ' इत्यस्य किं पर्यायपदं प्रयुक्तम् ?  (ii) "सुपरिणामम्" इति पदस्य किं विपर्ययपदम् अत्र गद्यांशे प्रयुक्तम् ?</p>	<p>5</p> <p><math>1/2 \times 2 = 1</math></p> <p><math>1 \times 2 = 2</math></p> <p><math>1 \times 2 = 2</math></p>
13.	<p><b>अधोलिखितं पद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</b></p> <p style="text-align: center;"><b>अपूर्वः कोऽपि कोशोऽयं विद्यते तव भारति !  व्ययतो वृद्धिमायति क्षयमायाति सञ्जयात् ॥</b></p> <p><b>I. एकपदेन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) कः अपूर्वः विद्यते ?  (ii) व्ययतः कः वृद्धिम् आयाति ?  (iii) कोशस्य क्षयः कथं भवति ?</p> <p><b>II. पूर्णवाक्येन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) कस्याः कोशः अपूर्वः विद्यते ?  (ii) कोशः कथं वर्धते, कथं च क्षयमायाति ?  (iii) कोशः अपूर्वः विद्यते इति किमर्थम् उक्तम् ?</p> <p><b>III. (क) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) अत्र श्लोके "विद्यते" इति क्रियापदस्य कर्तृपदं किम् ?  (ii) श्लोके "कोशः" इति पदस्य विशेषणपदं किम् ?</p> <p style="text-align: center;"><b>अथवा</b></p> <p><b>(ख) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) अत्र श्लोके "वर्धते" इति अर्थे किं पदं प्रयुक्तम् ?</p>	<p>5</p> <p><math>1/2 \times 2 = 1</math></p> <p><math>1 \times 2 = 2</math></p> <p><math>1 \times 2 = 2</math></p>



	(ii) श्लोके सम्बोधनपदं किं प्रयुक्तम् ?	
14.	<p><b>अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</b></p> <p><b>सुधाकरः</b> - अस्य प्रदेशस्य राजधानी का ?  <b>पर्यटनाधिकारी</b>- 'ईटानगरम्' अस्य प्रदेशस्य राजधानी।  <b>श्यामा</b>- महोदय ! अत्रत्यजनजातीयानां कानि प्रमुखानि आजीविकासाधनानि ?  <b>पर्यटनाधिकारी</b>- कृषिः, शिल्पकला, वनसम्पद् चैव एतेषां प्रमुखानि आजीविकासाधनानि।  <b>रविः</b>- मान्यवर ! अस्य प्रदेशस्य प्रमुखाः उत्सवाः के ?  <b>पर्यटनाधिकारी</b>- साधु पृष्ठम्। अत्र अनेके प्रमुखोत्सवाः । वाङ्चो जनजातीनां प्रमुखं पर्व 'ओरिया' इति अस्ति । एतत् तु 'फरवरी' इति मासे मान्यते। अस्मिन् अवसरे कृषिभूमिपूजनं सेतुनिर्माणं च सामाजिकं कार्यं क्रियते । 'मोपीन' इति अपि कृषिपर्व अस्ति। देवानामपि देवः 'मोपीन' इति कथ्यते। 'होली' सदृशम् एव पर्व इदम् । जनाः परस्परं मुखे कपोले च शालिचूर्णं लिम्पन्ति । इदम् 'अप्रैल' इति मासे मान्यते। 'ओणम्' पर्व समं 'साडकेन' एकम् अन्यत् पर्व अस्ति । लामासम्प्रदायस्य 'लोसर' इति प्रमुखं पर्व अपि 'फरवरी' इति मासे सम्पद्यते ।</p> <p><b>I. एकपदेन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) अरुणाचलप्रदेशस्य राजधानी का ?  (ii) किं पर्व होली सदृशम् अस्ति ?  (iii) लोसर इति पर्व कस्मिन् मासे?</p> <p><b>II. पूर्णवाक्येन उत्तरत- (केवलं प्रश्नद्वयम्)</b></p> <p>(i) कानि अत्रत्यजनजातीयानाम् प्रमुखानि आजीविकासाधनानि सन्ति ?  (ii) "ओरिया" पर्वणि किं किं कार्यं क्रियते ?  (iii) "लोसर" कस्य सम्प्रदायस्य पर्व तथा कदा इदं पर्व सम्पद्यते ?</p> <p><b>III. (क) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) "जनाः परस्परं मुखे कपोले च शालिचूर्णं लिम्पन्ति" अत्र वाक्ये कर्तृपदं किम् ?  (ii) "वाङ्चो जनजातीनां प्रमुखं पर्व 'ओरिया' इति अस्ति" वाक्ये क्रियापदं किम् ?</p> <p style="text-align: center;"><b>अथवा</b></p> <p><b>(ख) निर्देशानुसारम् उत्तरत-</b></p> <p>(i) अत्र नाट्यांशे "उत्सवः " इति अर्थे किं पदं प्रयुक्तम् ?  (ii) "सामाजिकं कार्यं क्रियते" इति वाक्ये विशेषणपदं किम् ?</p>	<p>5</p> <p><math>1\frac{1}{2} \times 2 = 1</math></p> <p><math>1 \times 2 = 2</math></p> <p><math>1 \times 2 = 2</math></p>
15.	<p><b>रेखाङ्कित-पदानि आधृत्य प्रश्ननिर्माणं कुरुत -</b></p> <p>(i) <u>राज्ञः</u> नेत्रदानार्थं निश्चयं ज्ञात्वा सर्वे अमात्याः विषण्णाः आसन् ।  (ii) प्रकृतिमाता <u>सस्नेहं</u> सर्वान् जीवान् वदति ।  (iii) मया ते <u>देवदानवपूजितं</u> चक्रं प्रार्थितम् ।  (iv) <u>आपदां</u> तरणिः धैर्यम् ।  (v) <u>विषयान्</u> ध्यायतः पुंसः तेषु संगः उपजायते ।</p>	$1 \times 5 = 5$

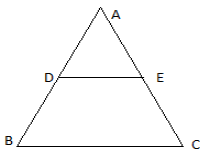
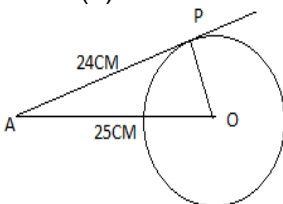
<p>16.अ.</p> <p>आ.</p>	<p><b>मञ्जूषातः समुचितपदानि चित्वा अधोलिखित-श्लोकस्य अन्वयं पूरयित्वा पुनः लिखत -</b></p> <p><b>अनुद्वेगकरं वाक्यं सत्यं प्रियहितं च यत् ।</b>  <b>स्वाध्यायाभ्यसनं चैव वाङ्मयं तपः उच्यते ॥</b></p> <p><b>अन्वयः</b> - यत् वाक्यं (i) _____ सत्यं (ii) _____ च (भवति), स्वाध्यायाभ्यसनं च एव (iii) _____ तपः (iv) _____ ।</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>वाङ्मयं , अनुद्वेगकरं , उच्यते , प्रियहितं</b> </div> <p style="text-align: center;"><b>अथवा</b></p> <p><b>मञ्जूषायाः साहाय्येन श्लोकस्य भावार्थं रिक्तस्थानानि पूरयित्वा पुनः लिखत-</b></p> <p><b>ध्यायतः विषयान् पुंसः सङ्गस्तेषूपजायते ।</b>  <b>सङ्गात्सञ्जायते कामः कामात्क्रोधोऽभिजायते ॥</b></p> <p><b>भावार्थः</b> - योगी श्रीकृष्णः अर्जुनं वदति - हे अर्जुन ! यदा मानवः (i) _____ ध्यानं करोति तदा तैः सह तस्य (ii) _____ अपि जायते पुनः सङ्गतेः (iii) _____ उद्भवति कामात् च (iv) _____ जन्म भवति ।</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>क्रोधस्य , विषयाणाम् , कामः , सङ्गतिः</b> </div>	<p><math>1/2 \times 4 = 2</math></p>
<p>17.</p>	<p><b>अधोलिखित- वाक्येषु रेखाङ्कित-पदानां प्रसङ्गानुकूलं उचितार्थं चित्वा लिखत -</b></p> <p>(i) येन तत्त्वार्थनिर्णयः क्रियते सः विवेकः इति <b>ईरितः</b> ।  क) लिखितः ख) कथितः ग) कृतः घ) धावितः</p> <p>(ii) तस्य <b>क्षितौ</b> प्रलुठतः तृणेषु वह्निज्वालाः समुत्थिताः ।  क) गृहे ख) कक्षायाम् ग) शस्यक्षेत्रे घ) भूमौ</p> <p>(iii) पाप्मानं <b>प्रजहि</b> ह्येनं ज्ञानविज्ञाननाशनम् ।  क) देहि ख) याहि ग) मारय/दमय घ) कथय</p> <p>(iv) यत्र राष्ट्रे ब्रह्मास्त्रं प्रयुज्यते तत्र <b>पर्जन्यः</b> द्वादशसमाः न अभिवर्षति ।  क) समुद्रः ख) तडागः ग) अर्जुनः घ) पयोदः</p>	<p><math>1 \times 4 = 4</math></p>
<p>18.</p>	<p><b>मञ्जूषाप्रदत्तपदानां सहायतया रिक्तस्थानानि पूरयित्वा अधोलिखितकथाम् उत्तरपुस्तिकायां लिखत -</b></p> <p>प्रभातवेलायां राजहंसी राजहंसः च (i) _____ विहरतः स्म । तदैव सहसा (ii) _____ ध्वनिं श्रुत्वा राजहंसः (iii) _____ । राजहंसः राजहंसीं च पृच्छति यत् इयं (iv) _____ कस्य अस्ति ? राजहंसी काकस्य ध्वनिः इयम् इति (v) _____ । सा कथयति यत् काकस्य (vi) _____ कृष्णं कर्म अपि कृष्णमेव अस्ति । तदैव (vii) _____ सक्रोधं प्रविश्य वदति यत् मम वर्णः (viii) _____ श्रीकृष्णस्य सदृशो वर्तते । अहं तु छात्रेभ्यः आदर्शः अस्मि । अहमेव स्वशब्दैः जनान् प्रातः प्रबोधयामि ।</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>सरस्तीरे , काकः , श्रीरामस्य , वदति , ध्वनिः , शरीरम् , आकुलीभवति , काकस्य</b> </div>	<p><math>1/2 \times 8 = 4</math></p>

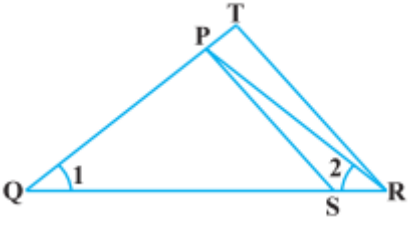
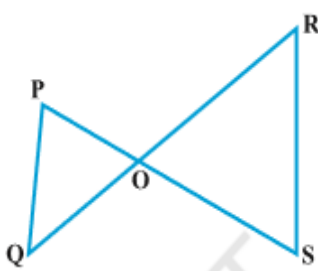


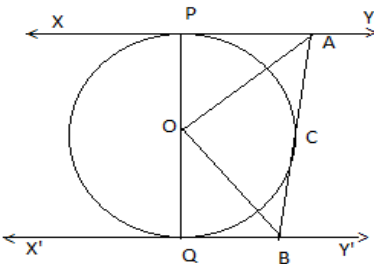
**KENDRIYA VIDYALAYA SANGHATHAN, BHUBANESWAR REGION****PRE BOARD EXAMINATION) (2025-26)****CLASS-X****SUBJECT: MATHEMATICS ( 041)****(SET-1)****MAXIMUM MARKS: 80****MAX TIME ALLOWED :3 HOURS****General Instructions:**Read the following instructions carefully and follow them:


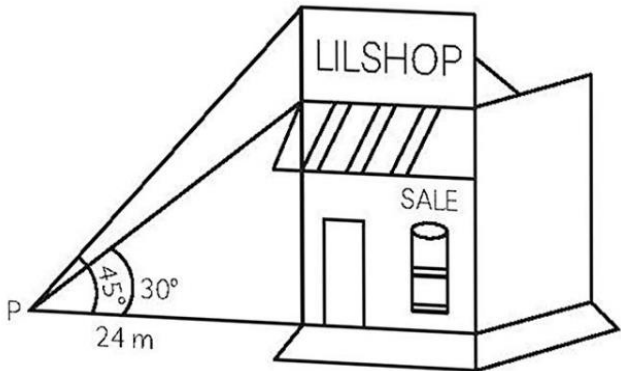
1. This question paper contains 38 questions .All Questions are compulsory.
2. This Question paper is divided into 5 sections A,B,C,D and E.
3. In Section A, Question numbers 1-18 are multiple choice questions (MCQs) and questions no.19 and 20 are Assertion –Reason based questions of 1 mark each.
4. In Section B, Question numbers 21-25 are very short answer (VSA) type questions, carrying 02 marks each.
5. In Section C, Question numbers 26-31 are short answer (SA) type questions, carrying 03 marks each.
6. In Section D, Question numbers 32-35 are long answer (LA) type questions, carrying 05 marks each.
7. In Section E, Question numbers 36-38 are case study-based questions. Questions carrying 04 marks each with sub parts of the values of 1,1 and 2 marks each respectively.
8. There is no overall choice. However ,an internal choice in 2 questions of section B, and 2 questions of section C and 2 questions of section D has been provided. An internal choice has been provided in all the 2 mark questions of section E.
9. Draw neat and clean figures wherever required. Take  $\pi = \frac{22}{7}$  wherever required if not stated.
10. Use of calculators is not allowed.

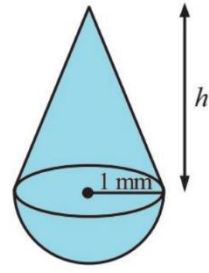
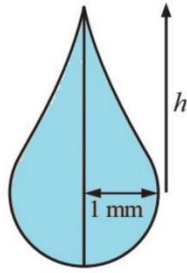
<b>(Section A)</b> <b>Section A Consists of 20 questions of 1 mark each.</b>		
<b>Q.NO.</b>	<b>QUESTION</b>	<b>MARKS</b>
1	The exponent of 5 in the prime factorization of 1025 is (a) 0 (b) 1 (c) 2 (d) 3	1
2	The number of polynomials having zeroes -3 and 5 is (a) 1 (b) 2 (c) 3 (d) more than 3	1
3	The pair of equations $x=a$ and $y=b$ graphically represents lines which are (a) parallel (b) Intersecting at (b,a) (c) coincident (d) Intersecting at (a,b)	1
4	The value of k for which the system of equations $kx+y=k^2$ and $x+ky=1$ has infinitely many solutions ,is (a)1 (b) 2 (c) 3 (d) 4	1
5	Which one of the following is not a quadratic equation? (a) $(x+2)^2=2(x+3)$ (b) $x^2+3x=(-1)(1-3x)^2$ (c) $x^3-x^2+2x+1=(x+1)^3$ (d) $(x+2)(x+1)=x^2+2x+3$	1
6	The discriminant of the quadratic equation $(x+2)^2=0$ is (a) -2 (b) 2 (c) 4 (d) 0	1
7	If k, 2k-1 and 2k+1 are three consecutive terms of an A.P ,then the values of k	1

	is (a) -2                      (b) 3                      (c) -3                      (d) 6	
8	The distance between the points $P(-\frac{11}{3}, 5)$ and $Q(-\frac{2}{3}, 5)$ IS (a) 6 units                      (b) 4 units                      (c) 2 units                      (d) 3 units	1
9	If $DE \parallel BC$ , $AD=3$ cm, $BD=4$ cm and $BC=14$ cm, then <b>DE</b> equals to  (a) 7cm                      (b) 6cm                      (c) 4cm                      (d) 3cm	1
10	The length of the tangent AP, from an external point A is 24 cm. If the distance of the point A from the Centre O of the circle is 25 cm, then the diameter of the circle is (a) 15 cm                      (b) 14 cm                      (c) 7cm                      (d) 12 cm 	1
11	If $\csc \theta = \frac{1}{2}$ , then $\csc \theta - \sec \theta$ is equal to (a) $\frac{3}{2}$ (b) $-\frac{3}{2}$ (c) $\frac{\sqrt{3}}{2}$ (d) $-\frac{\sqrt{3}}{2}$	
12	$\frac{\sin \theta}{1 + \cos \theta}$ is equal to (a) $\frac{1 + \cos \theta}{\sin \theta}$ (b) $\frac{1 - \cos \theta}{\cos \theta}$ (c) $\frac{1 - \cos \theta}{\sin \theta}$ (d) $\frac{1 - \sin \theta}{\cos \theta}$	1
13	The length of a shadow of a tower on the plane ground is $\sqrt{3}$ times the height of the tower. The angle of elevation of sun is (a) $45^\circ$ (b) $30^\circ$ (c) $60^\circ$ (d) $90^\circ$	1
14	If the circumference and the area of a circle are numerically equal, then diameter of the circle is (a) $\frac{\pi}{2}$ (b) $2\pi$ (c) 2                      (d) 4	1
15	The difference between the circumference and radius of a circle is 37 cm, then its area is (a) $154 \text{ cm}^2$ (b) $160 \text{ cm}^2$ (c) $200 \text{ cm}^2$ (d) $150 \text{ cm}^2$	1
16	The curved surface area of a cone having height 24cm and radius 7 cm, is (a) $528 \text{ cm}^2$ (b) $1056 \text{ cm}^2$ (c) $550 \text{ cm}^2$ (d) $500 \text{ cm}^2$	1
17	If the mean and median of a data are 12 and 15 respectively, then its mode is (a) 13.5                      (b) 21                      (c) 6                      (d) 14	1
18	The probability of getting a bad apple in a box of 400 apples is 0.035. The total number of bad apples is (a) 7                      (b) 14                      (c) 21                      (d) 28	1
	DIRECTIONS: In the question number 19 and 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option: (A) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A). (B) Both assertion (A) and reason (R) are true and reason (R) is not the explanation of assertion (A). (C) Assertion (A) is true but reason (R) is false. (D) Assertion (A) is false but reason (R) is true.	1
19	Statement-1 (A) If the difference of the mode and median of a data is 24, then the difference of the median and mean is 12. Statement-2 (R) : For a moderately asymmetric distribution, mode, median and	1

	mean are connected by the relation Mode=2 Median-3Mean	
20	Statement-1 (A) : The probability that the date of birth of a person is in the month of January is $\frac{1}{12}$ . Statement-2(R): There are 12 months in a year .	1
	<b>(Section-B)</b> <b>Section B consists of 5 questions of 2 marks each.</b>	
21	Given that L.C.M (91,26)=182, Then find the H.C.F (91,26).	2
22	Find the zeroes of the quadratic polynomial $6x^2-3-7x$ and verify the relationship between the zeroes and the co efficient.	2
23	Find the values of y for which the distance between the points P(2,-3) and Q(10,y) is 10 units.  or Check whether (5,-2) , (6,4) and (2,-4) are the vertices of an isosceles triangle.	2
24	Prove that the lengths of the tangents drawn from an external point to a circle are equal.  or Prove that the tangents drawn at the ends of a diameter of a circle are parallel.	2
25	A dice is thrown once. Find the probability of getting (i) a prime number (ii) an odd number	2
	<b>(Section-C)</b> <b>Section C consists of 6 questions of 3 marks each.</b>	
26	Prove that $\sqrt{5}$ is an irrational number.	3
27	The cost of 4 pens and 4 pencil boxes is Rs 100. Three times the cost of a pen is Rs 15 more than the cost of a pencil box. Find the cost of a pen and a pencil box.	3
28	If A and B are (-2,-2) and (2,-4) respectively ,find the coordinates of P such that $AP = \frac{3}{7}AB$ and P lies on the line segment AB.	3
29	$\frac{QR}{QS} = \frac{QT}{PR}$ and $\angle 1 = \angle 2$ Show that $\Delta PQS \sim \Delta TQR$  OR If $PQ \parallel RS$ ,Prove that $\Delta POQ \sim \Delta SOR$ 	3
30	XY and X'Y' are two parallel tangents to a circle with Centre O and another	3

	<p>tangent AB with the point of contact C intersecting XY at A and X'Y' at B. Prove that <math>\angle AOB = 90^\circ</math>.</p> 																															
31	<p>To warn ships for underwater rocks, a light house throws a red colour light over a sector of <math>80^\circ</math> angle to a distance of 16.5 km. Find the area of the sea over which the ships area warmed. (<math>\pi = 3.14</math>)</p> <p>OR</p> <p>The length of minute hand of a clock is 14 cm .Find the area swept by the minute hand in one minute. (<math>\pi = 22/7</math>)</p>	3																														
	<p style="text-align: center;"><b>Section-D</b> <b>Section D consists of 4 questions of 5 marks each.</b></p>																															
32	<p>A train travels a distance of 300 km at a constant speed. If the speed of the train is increased by 5 km an hour ,the journey would have taken 2 hours less. Find the original speed of the train.</p> <p>OR</p> <p>Solve <math>\frac{1}{a+b+x} = \frac{1}{a} + \frac{1}{b} + \frac{1}{x}</math> , <math>a + b \neq 0</math></p>	5																														
33	State and prove Basic proportionality theorem.	5																														
34	Prove that $(\sin A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 = 7 + \tan^2 A + \cot^2 A$ .	5																														
35	<p>The table below gives the percentage distribution of female teachers in the primary schools of rural areas of various states and union territories (U.T) of India .Find the mean percentage of female teachers.</p> <table border="1"><tr><td>Percentage of female teachers</td><td>15-25</td><td>25-35</td><td>35-45</td><td>45-55</td><td>55-65</td><td>65-75</td><td>75-85</td></tr><tr><td>Number of States/U.T</td><td>6</td><td>11</td><td>7</td><td>4</td><td>4</td><td>2</td><td>1</td></tr></table> <p>OR</p> <p>A survey regarding the heights (in cm) of 51 girls of class X of a school was conducted and the following data was obtained.</p> <table border="1"><tr><td>Heights (in cm)</td><td>Number of girls</td></tr><tr><td>Less than 140</td><td>4</td></tr><tr><td>Less than 145</td><td>11</td></tr><tr><td>Less than 150</td><td>29</td></tr><tr><td>Less than 155</td><td>40</td></tr><tr><td>Less than 160</td><td>46</td></tr><tr><td>Less than 165</td><td>51</td></tr></table> <p>Find the median height of the girls.</p>	Percentage of female teachers	15-25	25-35	35-45	45-55	55-65	65-75	75-85	Number of States/U.T	6	11	7	4	4	2	1	Heights (in cm)	Number of girls	Less than 140	4	Less than 145	11	Less than 150	29	Less than 155	40	Less than 160	46	Less than 165	51	5
Percentage of female teachers	15-25	25-35	35-45	45-55	55-65	65-75	75-85																									
Number of States/U.T	6	11	7	4	4	2	1																									
Heights (in cm)	Number of girls																															
Less than 140	4																															
Less than 145	11																															
Less than 150	29																															
Less than 155	40																															
Less than 160	46																															
Less than 165	51																															
	<p style="text-align: center;"><b>SECTION – E</b> <b>Section E consists of 3 case study-based questions of 4 marks each.</b></p>																															
36	<p>Aditya is a fitness freak and great athlete. He always wants to make his nation proud by winning medals and prizes in the athletic activities.</p> <p>An upcoming activity for athletes was going to be organised by Railways. Aditya wants to participate in 200 m race. He can currently run that distance in 51 seconds. But he wants to increase his speed, so to do it in 31 seconds. With each day of</p>																															

	<p>practice, it takes him 2 seconds less.</p>  <p>(i) What is Aditya's current speed of running?</p> <p>(ii) He wants to make his best time as 31 sec. In how many days will he be able to achieve his target?</p> <p>(iii) What will be the difference between the time taken on 5th day and 7th day?</p> <p style="text-align: center;">OR</p> <p>Which term of the arithmetic progression 3, 15, 27, 39 .... will be 120 more than its 21st term?</p>	<p>1</p> <p>1</p> <p>2</p> <p>2</p>
37	<p>Anita purchased a new building for her business. Being in the prime location, she decided to make some more money by putting up an advertisement sign for a rental ad income on the roof of the building.</p> <p>From a point P on the ground level, the angle of elevation of the roof of the building is <math>30^\circ</math> and the angle of elevation of the top of the sign board is <math>45^\circ</math>. The point P is at a distance of 24 m from the base of the building.</p>  <p>On the basis of the above information, answer the following questions:</p> <p>(i) Find the height of the sign board.</p> <p>(ii) Find the distance of the point P from the top of the sign board.</p> <p>(iii) Find the height of the building (without the sign board).</p> <p style="text-align: center;">OR</p> <p>Find the height of the building (with the sign board).</p>	<p>1</p> <p>1</p> <p>2</p> <p>2</p>
38	<p>In the month of December 2020, it rained heavily throughout the day over the city of Hyderabad. Anil observed the raindrops as they reached him. Each raindrop was in the shape of a hemisphere surmounted by a cone of the same radius of 1 mm. Volume of one of such drops is <math>3.14 \text{ mm}^3</math>. Anil collected the rain water in a pot having a capacity of <math>1099 \text{ cm}^3</math>. [Use <math>\sqrt{2} = 1.4</math>, <math>\pi = 3.14</math>]</p>	



Based on the above situation, answers the following questions.

- (i) How many drops will fill the pot completely?
- (ii) Find the total height of the drop.
- (iii) Find the curved surface area of a drop.

1  
1  
2

Or

As the drop fell into the pot, it changed into a sphere. What was the radius of this sphere?

2

**KENDRIYA VIDYALAYA SANGATHAN, BHUBANESWAR REGION**  
**PRE-BOARD-1 EXAMINATION (2025-26)**

**CLASS : X**

**Subject: SCIENCE(086)**


**Maximum Marks : 80**

**Maximum Time Allowed : 3 Hours**

**General Instructions:**

- (i) This question paper consists of 39 questions in 3 sections. Section A is Biology, Section B is Chemistry and Section C is Physics.
- (ii) All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.

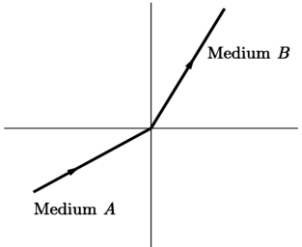
SECTION-A		Marks
1	Gastric juice is secreted by gastric glands and contains hydrochloric acid, mucus, and pepsin. Which activity will be affected in the absence of hydrochloric acid? A. Digestion of proteins B. Digestion of carbohydrates C. Digestion of lipids D. Digestion of starch.	1
2	During which of the following stages of the circulation of blood in a normal human being, the oxygenated blood is pumped to all parts of the body? A. contraction of the left atrium B. contraction of left ventricle C. relaxation of the right atrium D. relaxation of the right ventricle	1
3	Refer to the given figures (i), (ii) and (iii) with respect to geotropism and phototropism. <div style="text-align: center;"> </div> Which of these appears the most appropriate? A. (i) and (iii) B. (i) only C. (ii) only D. (ii) and (iii)	1
4	The plant hormone whose concentration stimulates the cells to grow longer on the side of the shoot which is away from light is : A. Cytokinins B. Gibberellins C. Adrenaline D. Auxins	1
5	If pea plants with round and green seeds (RRyy) are crossed with pea plants having wrinkled and yellow seeds (rrYY), the seeds developed by the plants of F <sub>1</sub> generation will be : A. 50% round and green B. 75% wrinkled and green C. 100% round and yellow D. 75% wrinkled and yellow	1
6	Which of the following groups do not constitute a food chain ? (i) Zebra, grass, lion (ii) Plankton, man, grasshopper, fish, Hawk, (iii) grass, snake, grasshopper, frog	1

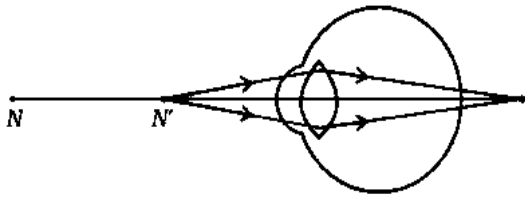
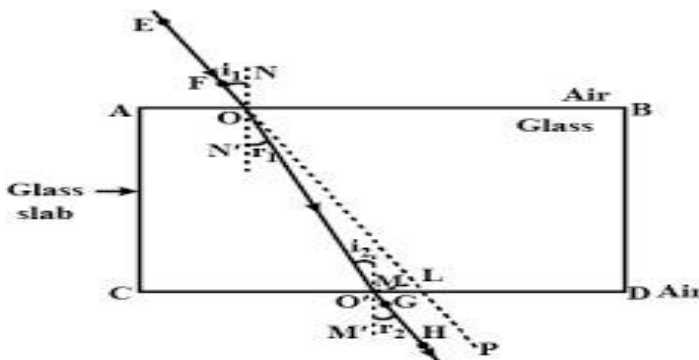
	<p>(iv) Grass, snake, wolf, tiger</p> <p>A. (i) and (iv) B. (ii) and (iii) C. (i) and (iii) D. (ii) and (iv)</p>	
7	<p>Identify the incorrect statement 'The energy available to the producers is maximum' because:</p> <p>A. It is the first trophic level which absorbs 1% of light energy directly from the source. B. It utilizes most of the chemical energy for its own respiration, growth, reproduction, movement etc. C. It utilizes 10% of light energy and transfers the rest to the next trophic level. D. It transfers only 10% of light energy to the next trophic level.</p>	1
<p>The following two questions consist of two statements – Assertion (A) and Reason (R). Answer these questions by selecting the appropriate option given below:</p> <p>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.</p>		
8	<p><b>Assertion (A):</b> Omnivores receive 10% of their energy from the trophic level below them. <b>Reason (R):</b> An omnivore is always in the trophic level just above herbivores.</p>	1
9	<p><b>Assertion(A)-</b> Height in pea plants is controlled by efficiency of enzymes and thus genetically controlled. <b>Reason(R)-</b> Cellular DNA is the information source for making proteins in the cell.</p>	1
10	State the main function of veins in human circulatory system. Why they do not need thick walls?	2
11	<p><b>Students to attempt either option A or B.</b> A. Amount of urine produced generally decreases in summer as compared to other seasons if we don't keep ourselves sufficiently hydrated. Justify. OR B. What is the advantage of having a four-chambered heart in birds and mammals?</p>	2
12	We do not clean natural ponds or lake whereas an aquarium or a swimming pool needs to be cleaned regularly. Why?	2
13	<p>Given below are some disorders noticed in some patients. It could be due to malfunctioning of which part of brain:</p> <p>a) Loss of sensation of feeling full b) Lowered ability to salivate c) Difficulty in maintaining the posture and balance in body</p>	3
14	<p>The lowest part of the ear called earlobe, is closely attached to the side of the head in some of us (Figure 'X'), and not in others, called free earlobe (Figure 'Y'). Attached and free earlobes are two variants found in human populations. The gene for free earlobe is dominant over attached earlobes.</p> <div style="text-align: center;">  <p>Earlobe</p> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>Figure 'Y'</span> <span>Figure 'X'</span> </div> </div> <p>(a) A man with attached earlobes marries a woman having free earlobes. 50% of their children have free earlobes and 50% have attached earlobes. Explain the inheritance of this trait and write</p>	3



	the trait combinations of the progeny. (b) Write the gene combinations of the father and the mother in the above case.	
15	<p>The maintenance functions of all living organisms must go on even when they are not doing anything particular. Even when we are just sitting in a class or even asleep, this maintenance job has to go on. These maintenance processes require energy to prevent damage and break-down of cells and tissues, which is obtained by the individual organism from the food prepared by the autotrophs, called producers.</p> <p>(a) Name and define the process by which green plants prepare food.  (b) Write chemical equation involved in the above process.  (c) State in proper sequence the events that occur in synthesis of food by desert plants.</p> <p style="text-align: center;">OR</p> <p>(c) Explain giving reasons what happens to the rate at which the green plants will prepare food  (i) during cloudy weather, and  (ii) when stomata get blocked due to dust.</p>	4
16	<p><b>Attempt either option A or B.</b></p> <p>A. Puneet wanted to grow banana plants.  (i) Based on your knowledge on plant reproduction should he opt for seeds or any alternate method of reproduction. Justify your answer.  (ii) Offsprings of a banana plant usually show very little variation. Why?  (iii) What causes variation and are variations good or bad? Justify.</p> <p style="text-align: center;">OR</p> <p>B. Annie was conducting research on the number of fruits produced by watermelon under different conditions. She grew 25 watermelon plants each in both glass house A and B. She introduced pollinators in glass house A only.  (i) What difference will she observe in the number of fruits produced in the two glass houses? Explain with reason.  (ii) Write any two differences between self and cross pollination.  (iii) List any two changes that will occur in a flower once it gets fertilized.</p>	5
<b>SECTION-B</b>		
17	<p>Which of the following is a redox reaction, but not a combination reaction?</p> <p>A. <math>C + O_2 \rightarrow CO_2</math>  B. <math>2 H_2 + O_2 \rightarrow 2 H_2O</math>  C. <math>2 Mg + O_2 \rightarrow 2 MgO</math>  D. <math>Fe_2O_3 + 3 CO \rightarrow 2 Fe + 3 CO_2</math></p>	1
18	<p>Select exothermic processes from the following:</p> <p>(i) Dilution of acid  (ii) Burning of natural gas  (iii) Evaporation of water  (iv) Electrolysis of water</p> <p>A. (i) and (ii)  B. (ii) and (iii)  C. (iii) and (iv)  D. (i) and (iv)</p>	1
19	<p>The oxide which can react with HCl as well as KOH to give corresponding salt and water is</p> <p>A. CuO  B. <math>Al_2O_3</math>  C. <math>Na_2O</math>  D. CaO</p>	1
20	<p>An aqueous solution 'A' turns the phenolphthalein solution pink. On addition of an aqueous solution 'B' to 'A', the pink colour disappears. Which of the following statement is true for the</p>	1

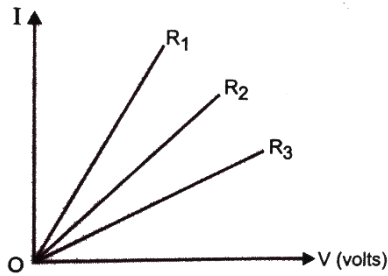
	<p>solutions 'A' and 'B'.</p> <p>A. A is strongly basic and B is a weak base.</p> <p>B. A is strongly acidic and B is a weak acid.</p> <p>C. A has a pH greater than 7 and B has a pH less than 7.</p> <p>D. A has a pH less than 7 and B has a pH greater than 7.</p>	
21	<p>When hydrogen chloride gas is prepared on a humid day, the gas is usually passed through the guard tube containing calcium chloride. The role of calcium chloride taken in the guard tube is to</p> <p>A. absorb the evolved gas</p> <p>B. absorb moisture from the gas</p> <p>C. moisten the gas</p> <p>D. absorb <math>\text{Cl}^-</math> ions from the evolved gas</p>	1
22	<p>During purification of a metal by electrolytic refining, what happens at the negative electrode?</p> <p>A. Metal ions lose electrons to become neutral atoms.</p> <p>B. Neutral metal atoms gain electrons to become ions.</p> <p>C. Neutral metal atoms lose electrons to become ions.</p> <p>D. Metal ions gain electrons to become neutral metal atoms</p>	1
23	<p>The electronic configuration of three elements X, Y and Z are X- 2, 8, 7 ; Y- 2, 8, 2; and Z - 2, 8</p> <p>A. Y and Z are metals</p> <p>B. Y and X are non-metals</p> <p>C. X is a non-metal and Y is a metal</p> <p>D. Y is a non-metal and Z is a metal</p>	1
	<p>The following question consists of two statements – Assertion (A) and Reason (R). Answer these questions by selecting the appropriate option given below:</p> <p>A. Both A and R are true, and R is the correct explanation of A.</p> <p>B. Both A and R are true, and R is not the correct explanation of A.</p> <p>C. A is true but R is false.</p> <p>D. A is false but R is true.</p>	
24	<p><b>Assertion(A)-</b> Benzene, a six membered cyclic compound is classified as a saturated compound.</p> <p><b>Reason(R)-</b> Despite its stable ring structure, benzene contains alternate double bonds.</p>	1
25	<p>Compound X and Aluminium are used to join railway tracks.</p> <p>a) Identify the compound X.</p> <p>b) Name the reaction.</p> <p>c) Write the chemical equation involved.</p>	2
26	<p><b><u>Attempt either option A or B.</u></b></p> <p>A. Name and explain the most widely used method for refining impure Cu metal with the help of suitable diagram.</p> <p style="text-align: center;"><b>OR</b></p> <p>B. With the help of chemical equations differentiate between roasting and calcination. How is metal reduced from the product obtained after roasting/calcination of the ore? Write the chemical equation for the reaction involved.</p>	3
27	<p>Write one chemical equation each for the chemical reaction including following changes:</p> <p>i) Change in temperature</p> <p>ii) Change in colour</p> <p>iii) Formation of precipitate</p> <p>Mention colour change / temperature change(rise or fall) / compound precipitated along with the equation</p>	3
28	<p>Four metal samples of Magnesium , Copper , Aluminium and Iron were taken and rubbed with sand paper. These samples were then put separately in test tubes containing dilute hydrochloric acid. Thermometers were also suspended in each test tube so that their bulbs dipped in the acid. The rate of formation of bubbles was observed.</p> <p>The above activity was also repeated with dilute nitric acid and the observations were recorded.</p>	4

	<p>Answer the following questions:</p> <p>a) When activity was done with dilute hydrochloric acid, then in which one of the test tubes was the rate of formation of bubbles the fastest and the test tube in which the reaction produces the lowest temperature?(1)</p> <p>b) Which metal did not react with dilute HCl? Give reason.(1)</p> <p>c) Why is hydrogen gas not evolved when a metal reacts with dilute nitric acid? Name the ultimate products formed in the reaction.(2)</p>	
29	<p><b><u>Attempt either option A or B.</u></b></p> <p>A. i) Write the name and structure of an organic compound "X" having two carbon atoms in its molecule and its name is suffixed with ' - ol '(1)</p> <p>ii) What happens when " X " is heated with excess concentrated sulphuric acid at 443K? Write chemical equation for the reaction stating the conditions for the reaction. Also state the role played by concentrated sulphuric acid in the reaction. (2)</p> <p>iii) Name and draw the electron dot structure of hydrocarbon produced in the above reaction. (2)</p> <p style="text-align: center;"><b>OR</b></p> <p>B. (i) Give reason why carbon atom neither forms <math>C^{4+}</math> cation nor <math>C^{4-}</math> anion but form covalent compounds. (2)</p> <p>(ii) What is homologous series of carbon compounds? Write the structural formula of any two consecutive members of homologous series of aldehydes. (2)</p> <p>(iii) Draw the structure of the cyclohexane.(1)</p>	5
<b><u>SECTION-C</u></b>		
30	<p>A light ray enters from medium A to medium B as shown in Figure. The refractive index of medium B relative to A will be</p> <p>A. greater than unity B. less than unity C. equal to unity D. zero</p>	1
		
31	<p>The focal length of the eye lens decreases when eye muscles</p> <p>A. are relaxed and lens become thinner. B. contracts and lens becomes thicker C. are relaxed and lens become thicker D. contracts and lens become thinner</p>	1
	<p>The following question consists of two statements – Assertion (A) and Reason (R). Answer these questions by selecting the appropriate option given below:</p> <p>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.</p>	
32	<p><b>Assertion (A):</b> Light slows down if the refractive index of a medium increase. <b>Reason (R):</b> The speed of light in a medium is inversely proportional to the refractive index of the medium.</p>	1
33	<p>An object is 2 m away from a lens, which forms an erect image one-fourth the size of the object. Determine the focal length of the lens. What type of lens is this?</p>	2
34	<p><b><u>Attempt either option A or B.</u></b></p> <p>A. Joule's law is a mathematical description of the rate at which resistance in a circuit converts electric energy into heat energy.</p> <p>a) State Joules law of heating. b) Write any two applications of this law from your daily life</p> <p style="text-align: center;"><b>OR</b></p>	2

	<p>B. a) What are the advantages of connecting electrical devices in parallel with the battery instead of connecting them in series. (any two)</p> <p>b) Why is an ammeter connected in series in an electric circuit?</p>	
35	<p>(a) What is a solenoid? Draw the pattern of magnetic field lines around a current carrying solenoid.</p> <p>(b) How is the magnetic field produced in a solenoid used?</p>	3
36	<p>Observe the diagram and answer the following questions:</p>  <p>(a) Name the defect of vision shown in figure. What will be the optical experience of the person suffering from this defect?</p> <p>(b) Give two possible reasons for this defect of eye in human beings.</p> <p>(c) Draw a labelled diagram to show how the defect is rectified by using suitable lens.</p>	3
37	<p>Draw a schematic diagram of a circuit consisting of a battery of 3 cells of 2V each, a <math>5\Omega</math>, <math>8\Omega</math> and a <math>12\Omega</math> resistor connected in series, an ammeter to measure the current through resistors and a voltmeter to measure the potential difference across the <math>12\Omega</math> resistor and a plug key. What would be the reading in the ammeter and voltmeter?</p>	3
38	<p style="text-align: center;"><b>REFRACTION</b></p> <p>When electromagnetic radiation, in the form of visible light, travels from one substance or medium into another, the light waves may undergo a phenomenon known as refraction, which is manifested by a bending or change in direction of the light. Refraction occurs as light passes from one medium to another only when there is a difference in the index of refraction between the two materials. The effects of refraction are responsible for a variety of familiar phenomena, such as the apparent bending of an object that is partially submerged in water and the mirages observed on a hot, sandy desert.</p>  <p>A. A ray of light travelling in air enters obliquely into glass. Does the light ray bend towards the normal or away from the normal? Why?</p> <p>B. State Snell's law of refraction.</p> <p><b>Attempt either subpart C or D.</b></p> <p>C. Refractive index of diamond with respect to glass is 1.6 and absolute refractive index of glass is 1.5. Find out the absolute refractive index of diamond.</p> <p style="text-align: center;">OR</p> <p>D. Light enters from air to glass having refractive index 1.50. What is the speed of light in the glass? The speed of light in vacuum is <math>3 \times 10^8</math> m/s.</p>	4
39	<p><b><u>Attempt either option A or B.</u></b></p> <p>A.</p>	5

a) Which law gives the relationship between current through a conductor and potential difference across its two terminals?

b)



Observe the above V-I graph and arrange the resistances in the ascending order.

c) The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 120 V?

d) A piece of wire of resistance R is cut into five equal parts. These parts are then connected in parallel. If the equivalent resistance of this combination is R', then find the ratio of R/R'?

**OR**

**B.**

- What is resistance of a conductor? And mention the factors on which resistance of a conductor depend?
- State the relationship between the resistance R of a wire to its length l and cross-sectional area A. Use the mathematical symbols to arrive at the final formula. Deduce the formula to find resistivity from the final formula.
- A copper wire has diameter 0.5 mm and resistivity of  $1.6 \times 10^{-8} \Omega \text{ m}$ . What will be the length of this wire to make its resistance 10  $\Omega$ ?

**KENDRIYA VIDYALAYA SANGATHAN BHUBANESWAR REGION**  
**SOCIAL SCIENCE (087)**  
**PRE BOARD EXAM-I (2025-26)**  
**CLASS-X**

**Time Allowed: 3 Hours**

**Maximum Marks: 80**

**General Instructions:**

1. There are 38 questions in the Question paper. All questions are compulsory.
2. The question paper has Four Sections – A-History, B-Geography C- Political Science, and D-Economics.
3. Each Section is of 20 Marks and has MCQs, VSA, SA, LAs and CBQ.
4. Very Short Answer Type Questions (VSA), carry 2 marks each. Answers to each question should not exceed 40 words.
5. Short Answer Type Questions (SA), carry 3 marks each. Answers to each question should not exceed 60 words.
6. Long answer type questions (LA), carry 5 marks each. Answers to each question should not exceed 120 words.
7. There are case based questions (CBQ) with three sub questions and are of 4 marks each. Answers to each question should not exceed 100 words.
8. The map-based questions, carry 5 marks with two parts- Q9. In Section A-History (2 marks) and Q19. In Section B -Geography (3 marks)
9. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions must be attempted.
10. In addition to this, NOTE that a separate question has been provided for Visually Impaired candidates in lieu of questions having visual inputs, map etc. Such questions are to be attempted by Visually Impaired candidates only.

**SECTION A**  
**HISTORY (20 marks)**

1. Identify which of the following is not correctly matched with the meaning of liberalism in 19th-century Europe: [1]
  - a) Political liberalism – Government by consent
  - b) French Revolution – End of clerical privileges and aristocratic control
  - c) Middle class liberalism – Equality of all before the law
  - d) Economic liberalism – State-imposed restrictions on trade and markets
2. Arrange the following events in the correct chronological order and select the correct option: [1]
  - 1.Dandi March
  - 2.Rowlatt Satyagraha
  - 3.Champaran Movement
  - 4.Gandhi-Irwin PactOptions:
  - a) 3, 2, 1, 4
  - b) 2, 3, 1, 4
  - c) 3, 1, 2, 4
  - d) 2, 1, 3, 4
3. Assertion (A): The introduction of potato from the Americas improved the food security of European countries.  
Reason (R): It became a cheap and nutritious food that helped the European poor live longer. [1]
  - 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.
4. What was the main objective of Martin Luther's Ninety-Five Theses, which he nailed to the church

door in Wittenberg in 1517?

[1]

- a) To promote the use of Latin in Bible reading
- b) To criticize many practices and rituals of the Catholic Church
- c) To demand political reforms in Germany
- d) To establish a new branch of Christianity immediately

5. How did food travel to different parts of the world? Give two examples.

[2]

OR

"The silk route was a vibrant example of trade and cultural links." Give two examples

6. "The First world war had a significant effect on India." Explain three ways in which it influenced the nationalist movement.

[3]

OR

How did folklore and folk songs contribute to the growth of nationalism in India? Explain with examples.

7. "Nationalism in the Balkans ultimately led to imperialism and conflict in Europe." Analyze the statement in the context of events that occurred before the first world war.

[5]

8. **Read the given text and answer the following question** (1+1+2)

[4]

In the 1780s, French novelist Louis-Sébastien Mercier wrote, "Tremble, therefore tyrants of the world! Tremble before the virtual writer!" He believed that the printing press was the most powerful engine of progress. Mercier's works often showed heroes transformed through reading, becoming enlightened and changing the world around them. He emphasized that public opinion, spread through print, could challenge despotism and tyranny, inspiring people to question authority and fight for social and political reforms.

8.1 What is despotism?

8.2 According to Mercier, what could challenge despotism and tyranny?

8.3 How did Louis-Sébastien Mercier connect reading, print culture, and public opinion to empowering people against tyranny and despotism?

### MAP SKILL BASED QUESTION (2 MARKS)

9. Two places A and B have been marked on the given outline map of India. Identify them and write their correct names on the lines marked on the map.

[2]

A. The place associated with satyagraha movement of cotton mill workers.

B. The place where Indian National Congress session was held in 1927

**Note: The following question is for Visually Impaired Candidates only in lieu of Question 9**

1. The place where Jallianwala Bagh massacre took place

2. A place where Gandhiji performed his first Satyagraha in India.

### SECTION B GEOGRAPHY (20 MARKS)

10. Which of the following is not considered a step in resource planning?

[1]

- a) Surveying and mapping of resources across regions
- b) Integrating resource development plans with national priorities
- c) Using resources without assessment or future planning
- d) Allocating technology and skill for optimal resource utilization

11. Rehman wants to grow cashew, which requires well-drained soil in tropical and subtropical regions and slightly acidic in nature. Which type of soil is most suitable?

[1]

- a) Black soil
- b) Laterite soil
- c) Alluvial soil
- d) Arid soil

12. Which of the following is a community-led movement that successfully resisted deforestation in India?

[1]

- a) Been Bachao Andolan
- b) Navdanya
- c) Chipko Movement

- d) Bhairodev Dakav Sonchuri
13. Tara visited the hills of the Himalayas and noticed that people had built diversion channels to carry water to their fields for agriculture. What is the name of this technique? [1]
- Inundation channel
  - Bamboo drip irrigation
  - Guls or Kuls
  - Khadins
14. What is the local name for slash-and-burn agriculture practiced in Jharkhand? [1]
- Bewar
  - Penda
  - Khil
  - Kuruwa
15. Which of the following correctly describes Reserved, Protected, and Unclassed forests? [1]
- Reserved Forest – Strictly protected; human activity mostly prohibited
  - Protected Forest – Completely open for local use
  - Unclassed Forest – No restrictions, but fully commercial logging allowed
  - Reserved Forest – Only for timber production
16. List two institutional reforms aimed at improving agriculture in India. [2]
17. India faces the dual challenge of growing energy needs and depleting non-renewable resources. As a responsible citizen, suggest and explain five ways to conserve mineral and energy resources for sustainable development. [5]
18. **Read the given text and answer the following question** (1+1+2) [4]

India's textile industry has been one of the oldest and most significant industries in the country. It involves both traditional hand-spun and modern mechanized production. Cotton, jute, silk, and wool are processed to produce yarn and fabrics. Over time, several value additions take place: raw cotton is spun into yarn, yarn is woven into fabric, and fabrics are further dyed, printed, or stitched into garments. This process increases the economic value of the final product and creates employment across multiple stages.

18.1 What is value addition in the textile industry?

18.2 Name two natural fibers used in the Indian textile industry.

18.3 Explain how value addition in the textile industry benefits both the economy and employment.

#### MAP SKILL BASED QUESTION

[3]

19. On the same outline map of India locate and label any three with appropriate symbols:
- The dam in the Sutlej Beas River basin, which is being used both for hydel power and irrigation.
  - A major sea port in Gujarat
  - An international airport in Punjab
  - An international airport in West Bengal

**Note: The following question is for Visually Impaired Candidates only in lieu of Question 19.**

Mention the name of the places with the help of following inputs-

- A Major Dam on the Mahanadi river.
- A port in Goa.
- The International Airport of West Bengal.

#### SECTION C

#### POLITICAL SCIENCE (20 MARKS)

20. Country A recognized one language as superior and gave preference to a particular religion. Country B gave equal importance to all linguistic and religious groups. Which of the following statements is correct? [1]
- Country A follows power sharing, Country B follows majoritarianism
  - Country A is majoritarian, Country B practices power sharing
  - Both countries promote power sharing
  - Both countries follow majoritarianism
21. Which of the following subjects falls under the state government's power to make laws and take decisions? [1]



- a) Banking
  - b) Police
  - c) Communication
  - d) Adoption
22. In many societies, men are traditionally given more authority in households and public life, while women have limited access to resources and decision-making. Which social system does this describe? [1]
- a) Patriarchy
  - b) Matriarchy
  - c) Feminism
  - d) Egalitarianism
23. In the given cartoon what kind of political reform has been discussed? Identify them from the given options [1]



- a) The Election Commission of India has issued a code of conduct which needs to be strictly followed before and during the elections.
  - b) Minimising the number of non-serious electoral candidates.
  - c) Internal democracy in political parties.
  - d) Compulsory voting for all the citizens
24. Some countries unite to form a federation, while other stay united by sharing powers. Compare these two routes of Federalism with examples. [2]
25. Highlight two characteristics of secularism that ensure equality for people of different religions. [2]
26. Explain three ways in which democracy ensures that the government is accountable, responsive, and legitimate? [3]
27. "Most political parties in India face the problem of lack of internal democracy." Examine this statement with reasons. [5]

OR

"Political parties perform various function in a democracy." Analyze how these functions help in strengthening democratic governance.

28. **Read the given text and answer the following question (1+1+2)** [4]
- In a democratic country, the horizontal division of power ensures that different organs of government—legislature, executive, and judiciary—share powers. This system prevents any single organ from becoming too powerful. For instance, the legislature makes laws, the executive implements them, and the judiciary interprets them. Checks and balances allow each organ to limit the powers of the others, ensuring accountability and preventing misuse of authority. This horizontal power sharing helps maintain democracy and protects citizens' rights.

- 28.1 What is horizontal power sharing?  
 28.2 What mechanism ensures that no organ of government becomes too powerful?  
 28.3 How does horizontal power sharing in a democracy ensure that citizens' rights are protected?

## SECTION D ECONOMICS (20 MARKS)

29. A girl from a rural area wants to improve her life prospects. Which development goal would be most relevant for her? [1]  
 a) Access to basic healthcare and education  
 b) Investment in luxury consumer goods  
 c) Advanced urban infrastructure like metro connectivity  
 d) Expansion of multinational corporations in her village
30. Which of the following is a feature of disguised unemployment? [1]  
 a) People are employed but produce less than their potential  
 b) Unemployment due to lack of jobs in cities  
 c) Only educated people remain unemployed  
 d) Seasonal unemployment in industries
31. Why is modern currency widely accepted as a medium of exchange? [1]  
 a) It has intrinsic value like gold and silver  
 b) It can be exchanged only in banks  
 c) It is authorized by the government of the country  
 d) It is backed by foreign currencies
32. Ravi took a loan from a bank to buy a tractor for his farm. He was able to increase his crop production and earn more income. Which impact of credit does this example illustrate? [1]  
 a) Negative impact of credit – indebtedness  
 b) Positive impact of credit – increased production  
 c) Negative impact of credit – exploitation by moneylenders  
 d) Positive impact of credit – rise in interest rates
33. After independence, why did the Indian government put trade barriers? [1]  
 a) To protect domestic workers  
 b) To encourage imports  
 c) To promote foreign competition  
 d) To increase foreign influence
34. Riya's father works in a government electricity board, while her uncle runs his own textile manufacturing unit. During a classroom discussion, Riya said -both contribute to the country's development but in different ways. [1]  
 Which of the following best explains her statement?  
 a) Both belong to the organized sector and controlled by government.  
 b) Her father's job is in the public sector, which serves public welfare, while her uncle unit is in private sector, which focuses on profit generation.  
 c) Both are part of the private sector as they produce goods and services.  
 d) Both aim mainly to provide employment and not to earn profits.
35. What is meant by per capita income? Why is it insufficient by itself to measure the living standard of people? [3]
36. Why do most people in rural areas still rely on informal sources of credit? [3]

OR

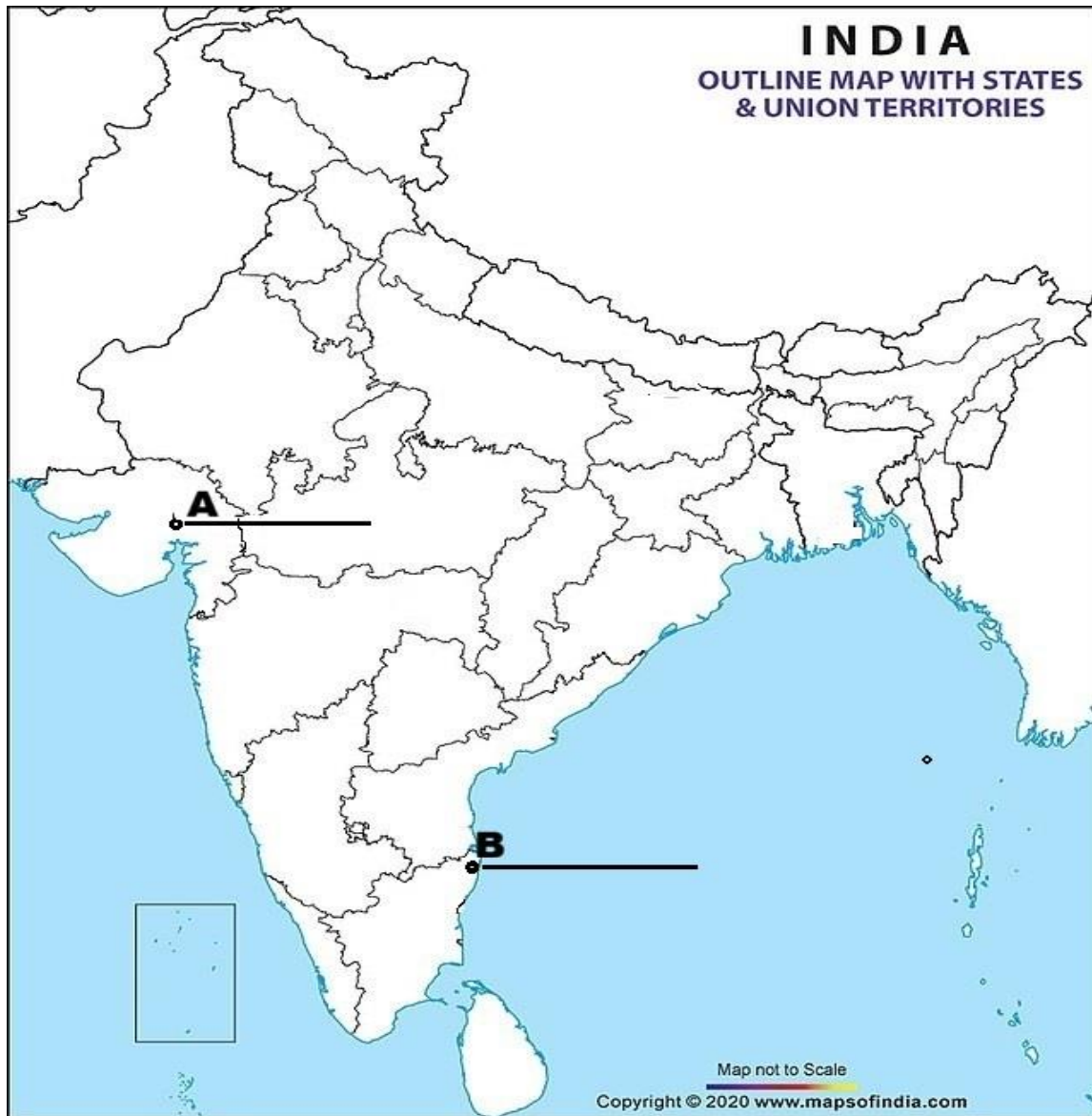
- "Self Help Groups are considered the building blocks of rural development." Justify the statement.
37. How has information and communication technology enabled globalization in India? Support your answer with examples. [3]
38. Ravi lives in Rajpur, a village where most people depend on farming. Limited land and traditional methods cause unemployment. Suggest and explain five ways to generate employment for the people of Rajpur. [5]

OR

Ramesh works in a government office and enjoys regular income with several job benefits. His friend Mohan works in a small workshop where wages depend on daily work availability. Recently Mohan left job when the workshop shut down. Analyze the situation and explain the differences in

their working conditions. Also suggest ways to improve the condition of worker like Mohan.

Map for Q9 and Q19



**KENDRIYA VIDYALAYA SANGTHAN, BHUBNESWAR REGION**  
**PRE-BOARD EXAMINATION (2025-26)**  
**CLASS X**  
**SUBJECT: ARTIFICIAL INTELLIGENCE (417)**

**MAXIMUM MARKS:=80**

**MAXIMUM TIME ALLOWRD: 2HRS**

**General Instructions:**

1. Please read the instructions carefully.
2. This Question Paper consists of **21** questions in **two** sections: **Section A & Section B**.
3. Section A has Objective type questions whereas **Section B** contains Subjective type questions.
4. Out of the given **(5+ 16 =) 21** questions, a candidate has to answer **(5 + 10=) 15** questions in the allotted (maximum) time of **2** hours.
5. All questions of a particular section must be attempted in the correct order.

**6. SECTION A- OBJECTIVE TYPE QUESTIONS (24 MARKS):**

- i. This section has **05** questions.
- ii. Marks allotted are mentioned against each question/part.
- iii. There is no negative marking.
- iv. Do as per the instructions given.

**7. SECTION B-SUBJECTIVE TYPE QUESTIONS (26 MARKS):**

- i. This section has **16** questions.
- ii. A candidate has to do **10** questions.
- iii. Do as per the instructions given.
- iv. Marks allotted are mentioned against each question/part.

<b>SECTION A</b> <b>(Objective Type Questions)</b>			
1.		<b>Answer any 4 out of the given 6 questions on employability skills :</b>	4x1=4
	<b>(i)</b>	Deepika is always tense during exam time. She is a sincere and studious student, but the thought of exams creates anxiety in her. Which stress management technique that you would suggest to help her? (A) Yoga (B) Exercise (C) Vacation with Family (D) All of these	1
	<b>(ii)</b>	Which of the following is an example of application software? (A) Linux (B) MS Word (C) BIOS (D) Windows 10	1
	<b>(iii)</b>	<b>Assertion (A):</b> Sustainable agriculture is environment friendly. <b>Reason (R):</b> It prevents use of chemical fertilizers to protect soil. (A) Both (A) and (R) are correct and (R) is the correct explanation of (A). (B) Both (A) and (R) are correct but (R) is not the correct explanation of (A). (C) (A) is correct but (R) is not correct. (D) (A) is not correct but (R) is correct.	1
	<b>(iv)</b>	'Prepare yourself for new changes, so that you can transition seamlessly'. Which can you relate the given sentence to? (A) Self-awareness (B) Responsibility (C) Adaptability (D) Time-management	1
	<b>(v)</b>	Remya travelled to Sweden from India to pursue her higher education. But she doesn't know how to speak Swedish (language of Sweden). Because of this, she is unable to find a part time job. This is an example of _____. (A) Interpersonal barrier (B) Physical barrier (C) Organizational barrier (D) Linguistic barrier	1
	<b>(vi)</b>	Entrepreneurs contribute to society by — (A) Generating employment (B) Creating income and wealth (C) Improving standard of living (D) All of the above	1

<b>2</b>		<b>Answer any 5 out of the given 6 questions:</b>	<b>5x1=5</b>
	<b>(i)</b>	<b>Assertion (A):</b> Ethics provide guidance in distinguishing right from wrong. <b>Reason (R):</b> Ethics consist of a set of values and morals that aid individuals in making moral judgments and decisions. (A) Both (A) and (R) are correct and (R) is the correct explanation of (A) (B) Both (A) and (R) are correct and (R) is not the correct explanation of (A). (C) (A) is correct but (R) is not correct. (D) (A) is not correct but (R) is correct.	1
	<b>(ii)</b>	You would feed the data into the machine. This is the data with which the machine can be trained. Now, once it is ready, it will predict his next data efficiently. This previous data is known as _____. (A) Testing Data      (B) Training Data (C) Exploring Data    (D) All of the above	1
	<b>(iii)</b>	<b>Statement 1:</b> In the "When" block of the 4Ws canvas, we find the stakeholders. <b>Statement 2:</b> Stakeholders are the people who face a particular problem and would benefit from the solution. (A) Both Statement 1 and Statement 2 are correct. (B) Both Statement 1 and Statement 2 are incorrect. (C) Statement 1 is correct but Statement 2 is incorrect. (D) Statement 2 is correct but Statement 1 is incorrect.	1
	<b>(iv)</b>	For better efficiency of an AI project Training data should be _____. (i) Relevant      (ii) Scattered (iii) Structured    (iv) Authentic Choose the correct option: (A) Both i and ii      (B) Both i and iv      (C) Only I    (D) Only iv	1
	<b>(v)</b>	What does resolution in an image typically indicate? A) Number of bits B) Number of colors C) Width × Height in pixels D) Color range of pixels	1
	<b>(vi)</b>	Which of the following words represent an example of a lemma resulting from lemmatisation for "caring" in context to Natural Language Processing (NLP)? (A) Care      (B) Cared      (C) Cares      (D) Car	
<b>3</b>		<b>Answer any 5 out of the 6 questions given:</b>	<b>5x1=5</b>
	<b>(i)</b>	_____ summarizes all of the important points in one place. A) Problem statement template B) Problem statement document C) Problem statement files D) None of the above	1
	<b>(ii)</b>	Which of the following data science applications is not associated with genetics and genomics? (A) To understand the impact of DNA on health. (B) To analyze reactions to drugs and diseases. (C) To find individual biological connections. (D) To search the house address of a relative on the Internet.	1
	<b>(iii)</b>	Which range represents grayscale image pixel values? A) 1 to 128      B) 0 to 255      C) 0 to 1000      D) 1 to 256	1
	<b>(iv)</b>	It is a domain-specific language that is designed for managing data held in different kinds of DBMS (Database Management System). It is particularly useful in handling structured data. Which computer language is this? (A) SQL      (B) CSV      (C) Spreadsheet      (D) TXT	1
	<b>(v)</b>	Bag of Words is a _____ model which helps in extracting features out of the text which can be helpful in machine learning algorithms. (A) Data Science      (B) Virtual Reality (C) Natural Language Processing      (D) Computer Vision	1

	(vi)	When the predicted value of the AI model is positive but actual value is negative, it is called _____ (A) True Positive (B) True Negative (C) False Positive (D) False Negative	1
4		<b>Answer any 5 out of the 6 questions given:</b>	<b>5x1=5</b>
	(i)	Which of the following is the correct expansion of CSV ? (A) Comma and Space Value (B) Comma Separated Values (C) Control Separated Values (D) Character Separated Values	1
	(ii)	<b>Statement 1:</b> Overfitting is not recommended for evaluation of a model. <b>Statement 2:</b> This is because the model will simply remember the whole training set, and will therefore always predict the correct label for any point in the training set. (A) Both Statement 1 and Statement 2 are correct. (B) Both Statement 1 and Statement 2 are incorrect. (C) Statement 1 is correct but Statement 2 is incorrect. (D) Statement 2 is correct but Statement 1 is incorrect.	1
	(iii)	It is one of the parameters for evaluating a model's performance and is defined as the percentage of true positive cases versus all the cases where the prediction is true. Which of the following evaluation parameter is this? (A) Precision (B) Recall (C) F1 score (D) Accuracy	1
	(iv)	An app filters spam messages using a pre-trained dataset. What learning approach does it use? A) Supervised B) Unsupervised C) Reinforcement D) Association	1
	(v)	Chatbots are AI systems which (A) Interact with humans through text or speech (B) Are able to offer round the clock responses and handle multiple queries simultaneously (C) Both (A) and (B) (D) Neither (A) nor (B)	1
	(vi)	Raghav can turn on and off any appliance remotely using an internet enabled device. This is an example of (A) Artificial Intelligence (AI) (B) Internet of Things (IoT) (C) Computer Vision (CV) (D) Deep Learning (DL)	1
5		<b>Answer any 5 out of the 6 questions given:</b>	<b>5x1=5</b>
	(i)	Musical intelligence is a concept that (A) assesses one's ability to regulate, measure and understand numerical symbols, abstraction and logic. (B) measures the language processing skills both in terms of understanding or implementation in writing or verbally. (C) evaluates the ability to process information on the environment around us. (D) describes a person's ability to recognize and create sounds, rhythms and sound patterns.	1
	(ii)	A high F1 score generally suggests: (A) A significant imbalance between precision and recall (B) A good balance between precision and recall (C) A model that only performs well on specific data points (D) The need for more training data	1
	(iii)	<b>Statement 1:</b> Various search engines and e-commerce portals now have a new feature called image-based search using computer vision. <b>Statement 2:</b> Image-based search helps in finding items, people and places by giving their sounds to the system. (A) Both Statement 1 and Statement 2 are correct. (B) Both Statement 1 and Statement 2 are incorrect. (C) Statement 1 is correct but Statement 2 is incorrect. (D) Statement 2 is correct but Statement 1 is incorrect.	1

(iv)	A corpus contains 12 documents. How many document vectors will be there for that corpus? (A) 12 (B) 1 (C) 24 (D) 1 / 12	1
(v)	Which of the following ethical concerns is related to taking the responsibility for the choice of evaluation metrics. (A) Bias (B) Accountability (C) Transparency (D) Translucency	1
(vi)	Select the correct features of Smart Bot (A) Smart-bots are flexible and powerful (B) Coding is required to take this up on board (C) Smart bots work on bigger databases and other resources directly (D) All of the above	1
<b>SECTION B (SUBJECTIVE TYPE QUESTIONS)</b>		
Answer any <b>3</b> out of the given <b>5</b> questions in Employability skills(2x3=6 marks) Answer each question in <b>20-30</b> words each		
<b>6</b>	All people look forward to vacations for de-stressing and rejuvenation. State any other two ways by which people can manage stress Ways for stress management (any two)	2
<b>7</b>	Which measures must be adopted to overcome the factors causing communication barriers?	2
<b>8</b>	State any two challenges faced by entrepreneurs.	2
<b>9</b>	Explain the function of a firewall in computer security.	2
<b>10</b>	Give any two examples of how individual choices and behaviors can contribute in achieving sustainable development?	2
<b>Answer any 4 out of 6 in 20-30 words each(4x2=8 marks)</b>		
<b>11</b>	Differentiate between Computer Vision (CV) and Natural Language Processing (NLP)	2
<b>12</b>	What is the necessity for Ethical Frameworks in AI development?	2
<b>13</b>	You are building a model to group customers based on buying habits without prior labels. Which learning type will you use? Why?	2
<b>14</b>	Describe two applications of Computer Vision in the healthcare industry.	2
<b>15</b>	What is the primary difference between Human Language and Computer Language?	2
<b>16</b>	Suppose you are developing an AI model to detect fraudulent financial transaction risk. Describe False Positives and False Negatives in this Context.	2
<b>Answer any 3 out of 5 in the 50-80 words each(4x3=12 marks)</b>		
<b>17</b>	A global company deploys an AI system to automate its recruitment process. The system is trained on historical hiring data to screen and rank job applicants. After several months, internal audits reveal that the AI consistently ranks male applicants higher than equally qualified female and minority candidates. The HR team is now under pressure to either fix the bias or shut down the system. The company wants to use an ethical framework to guide its next steps Using an ethical AI framework,  i) How should the company evaluate and respond to the bias in its AI recruitment system? ii) Identify the ethical principles involved and propose a suitable course of action	4
<b>18</b>	A customer service company wants to implement an NLP-based chatbot to handle client inquiries 24/7. The goal is to reduce human workload, improve response time, and increase customer satisfaction. However, users speak different languages, use slang, and sometimes express frustration or sarcasm	4

	<p><b>19</b> Identify the type of learning (supervised, unsupervised, reinforcement learning) and justify the following case studies most likely based on?</p> <p>Case Study 1: A company wants to predict customer churn based on past purchasing behaviour, demographics, and customer interactions. They have a dataset with labelled examples of customers who churned and those who did not.</p> <p>Case Study 2: A social media platform wants to group users based on their interests and behaviour to recommend relevant content. They have a large dataset of user interactions but no predefined categories.</p> <p>Case Study 3: An autonomous vehicle is learning to navigate through a city environment. It receives feedback in the form of rewards for reaching its destination safely and penalties for traffic violations.</p> <p>Case Study 4: A healthcare provider wants to identify patterns in patient data to personalize treatment plans. They have a dataset with various patient attributes but no predefined labels indicating specific treatment plans.</p>	4
	<p><b>20</b> Through a step-by-step process, calculate TFIDF for the given corpus and mention the word(s) having highest value.</p> <p>Document 1: We are going to Mumbai</p> <p>Document 2: Mumbai is a famous place.</p> <p>Document 3: We are going to a famous place.</p> <p>Document 4: I am famous in Mumbai.</p>	4
	<p><b>21</b> Draw the Confusion matrix with following data given below and find out the</p> <p>a) precision</p> <p>b) recall and</p> <p>c) F1 Score</p> <p>the number of true positive = 100</p> <p>the number of true negative 47</p> <p>the number of false positive = 62</p> <p>the number of false negative = 290</p>	4