

# **KENDRIYA VIDYALAYA GUNUPUR**

## **AUTUMN HOLIDAY HOMEWORK**

### **Subjects – SST Class-X**

#### **Agriculture**

1. Discuss the major features of primitive subsistence farming, intensive subsistence farming, and commercial farming with examples.
2. What are the main characteristics of shifting agriculture and plantation agriculture? Give examples from India.
3. Explain the significance of cash crops such as cotton, jute, sugarcane, tea, and coffee. Give their growing areas.
4. Explain the concept of farmers' distress in India. How do institutional reforms like cooperatives, banks, and subsidies help?
5. How does agriculture in India depend on the monsoon? Explain the problems caused by irregular rainfall.
6. "Indian agriculture is still largely traditional, but is gradually transforming into modern farming." Justify this statement with suitable examples.

#### **Nationalism in Europe**

1. What role did culture, language, and literature play in developing nationalist sentiments in Europe? Give examples from different countries.
2. Examine the impact of the Treaty of Vienna (1815) on Europe. How did it try to suppress liberalism and nationalism?
3. What were the main features of the 1848 Revolution in France? How did it influence the political structure of France and inspire other nations of Europe?
4. Describe the role of women in the nationalist struggles of Europe during the 19th century. Why were their contributions overlooked after independence or unification?
5. How did the concept of "Nation-State" emerge in Europe by the end of the 19th century? Discuss with reference to Italy and Germany.

**KENDRIYA VIDYALAYA GUNUPUR**  
**HOLIDAY HOMEWORK**  
**SUBJECT:ARTIFICIAL INTELIGENCE(417)**  
**CLASS:X**

1

Categorise the following examples under the given three AI domains Data Science, NLP and Computer Vision with justification :  
(a) Recommendation Websites  
(b) Voice-based Virtual Assistants  
(c) Spam Filters  
(d) Airline Route Planning

2

A sentiment analysis model was built to classify movie reviews as either 'Positive' or 'Negative'. The model was tested on a dataset of 500 reviews, resulting in the following confusion matrix :

| Confusion Matrix |     | Reality |     |
|------------------|-----|---------|-----|
|                  |     | Yes     | No  |
| Predicted        | Yes | 300     | 40  |
|                  | No  | 60      | 100 |

(a) How many total cases are True Positive in the above scenario ?

(b) Calculate Precision, Recall and F1-Score.

3

With respect to scoping a problem in AI Project Cycle, explain 4 Ws Problem Canvas in detail.

4

Explain the following with respect to Unsupervised Learning Models :

(a) Clustering

(b) Dimensionality Reduction

5

An AI model has been developed to test specimens of blood/urine/cough etc. to diagnose ailments (diabetes/liver infection etc.). The model was tested on a data-set of about 630 tests and the resulting confusion matrix is as follows :

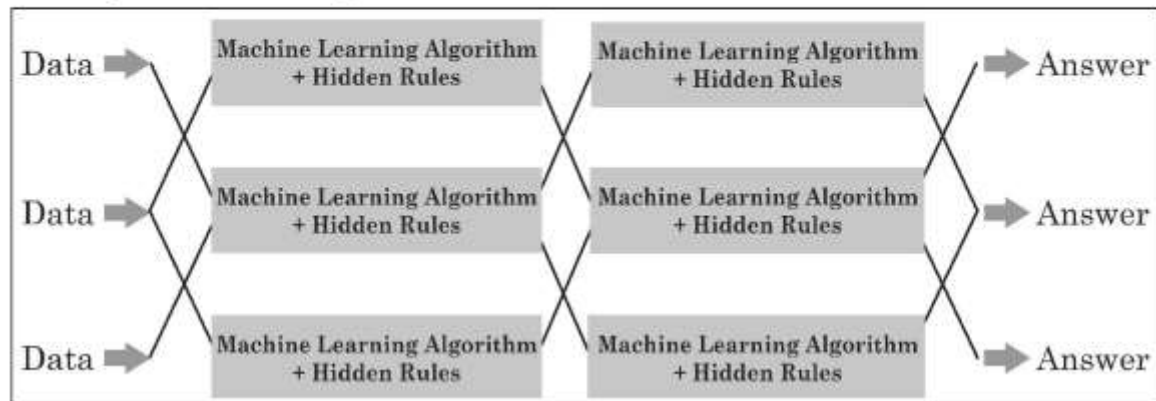
| Confusion Matrix |     | Reality |     |
|------------------|-----|---------|-----|
|                  |     | Yes     | No  |
| Prediction       | Yes | 110     | 60  |
|                  | No  | 50      | 410 |

(A) How many total cases are True Negative in the above scenario ?

(B) Calculate Precision, Recall and F1 Score.

6

Consider the following diagram. It explains how a system of organized machine learning algorithms perform certain tasks. Identify the concept and explain its working.



7

What is the use of problem statement template with respect to 4Ws of problem scoping ? Draw a problem statement template depicting all key elements.

8

What do you understand by AI Bias and AI Access ? Give one example of each to support your answer.

9

A binary classification model has been developed to classify news articles as either "Fake News" or "Real News". The model was tested on a dataset of 500 news articles, and the resulting confusion matrix is as follows :

| Confusion Matrix |     | Reality |     |
|------------------|-----|---------|-----|
|                  |     | Yes     | No  |
| Predicted        | Yes | 45      | 15  |
|                  | No  | 20      | 420 |

- (A) How many total cases are True Negative in the above scenario ?  
 (B) Calculate Precision, Recall and F1-Score.

10

Consider the following graphs (Figure 1 and Figure 2) that demonstrate the two types of Supervised Learning Models of Artificial Intelligence. Identify and explain each model giving suitable examples of each.

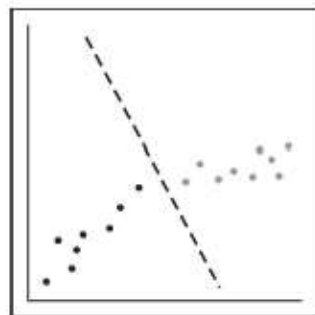


Figure 1

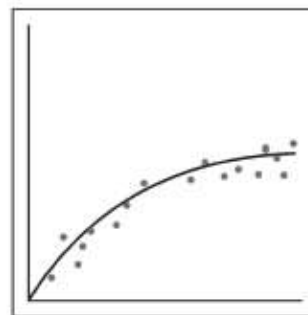


Figure 2

11

What are Neural networks ? Briefly explain all the layers of a neural network.

Give any four examples of applications of AI that we see around us.

12

Recently the country was shaken up by a series of earthquakes which has done a huge damage to the people as well as the infrastructure. To address this issue, an AI model has been created which can predict if there is a chance of earthquake or not. The confusion matrix for the same is :

| Confusion Matrix |     | Reality |    |
|------------------|-----|---------|----|
|                  |     | Yes     | No |
| Predicted        | Yes | 50      | 05 |
|                  | No  | 25      | 20 |

- (i) How many total cases are True Negative in the above scenario ?  
 (ii) Calculate precision, recall and F1 score.

13

Will it be valid to say that not all the devices which are termed as “smart” are AI-enabled ? Justify this statement. Explain any two examples from the daily life which are commonly misunderstood as AI.

14

Ms. Sooji is a beginner in the field of Artificial Intelligence. She got confused among the core terms like Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL). Many a times, these terms are used interchangeably but are they the same ? Justify your answer. Help her in understanding these terms by drawing a well labelled diagram to depict the interconnection of these three fields.

15

Traffic Jams have become a common part of our lives now-a-days. Living in an urban area means you have to face traffic each and every time you get out on the road. Mostly, school students opt for buses to go to school. Many times the bus gets late due to such jams and students are not able to reach their school on time. Thus, an AI model is created to predict explicitly if there would be a traffic jam on their way to school or not. The confusion matrix for the same is

| The Confusion Matrix | Actual : 1 | Actual : 0 |
|----------------------|------------|------------|
| Predicted : 1        | 50         | 50         |
| Predicted : 0        | 0          | 0          |

Explain the process of calculating F1 score for the given problem.

केन्द्रीयविद्यालय: गुणपुर:

कक्षा - दशमी - 10

विषय- संस्कृतम्

अवकाश-गृहकार्यम् 2025-2026

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संस्कृत विषय का 10 दिवसीय अवकाश गृहकार्य -

प्रिय छात्र/छात्राएँ,

कृपया निम्नलिखित कार्य को अपनी नोटबुक में पूरा करें:

1. प्रतिदिन एक धातु रूप लिखें और उसका अभ्यास करें। (syllabus के आधार से)
2. निम्नलिखित शब्द रूप अभ्यास -  
कवि, लता, नदी, किम्, अस्मद्, युष्मद्, भवत्, तद्, एतद्
3. माध्यमिकी परीक्षा के प्रश्नपत्र अपने खाते पर हल करें।
4. माध्यमिक परीक्षा के प्रश्नपत्र अपने खाते में हल करें।
5. मणिका -2 पुस्तक के पुनरावृत्ति पाठ में से प्रथम पाठ का अभ्यास करें।

## शरदकालीन अवकाशीय गृहकार्य

कक्षा – दसवीं विषय हिंदी

1. पाठ – “ साना-साना हाथ जोड़ि” पढ़िए।

इसमें यात्रा-वर्णन की विशेषताओं को लिखिए।

अपने जीवन की किसी छोटी यात्रा का संक्षिप्त यात्रा-वृत्तांत लिखिए (200 शब्दों में)।

2. कविता – “ उत्साह” (सूर्यकांत त्रिपाठी निराला) कविता से प्रेरित होकर

“ आत्मविश्वास और परिश्रम” विषय पर 8 पंक्तियों की कविता लिखिए।

कविता का एक चित्रात्मक पोस्टर बनाइए जिसमें “ उत्साह” शब्द का चित्रों के माध्यम से अर्थ स्पष्ट हो।

3. अलंकार परिचय

(उपमा, रूपक, मानवीकरण, अतिशयोक्ति) की परिभाषा और पाँच-पाँच उदाहरण लिखिए।

4. निम्न विषयों पर अनुच्छेद लिखिए:-

ओजोन दिवस

संकेत बिंदु:-

ओजोन परत का महत्व

इसे बचाने की ज़रूरत

विद्यालय/समाज में गतिविधियाँ

ii. स्वच्छ भारत अभियान

संकेत बिंदु:-

अभियान का उद्देश्य

सफाई की स्थिति पहले और अब

विद्यार्थियों की भूमिका

“ जहाँ स्वच्छता, वहाँ स्वास्थ्य”

- 5.(i)नगर मे आयोजित होने वाली भारत की सांस्कृतिक एकता प्रदर्शनी को देखने के लिए लोगों को आमंत्रित करते हुए एक विज्ञापन तैयार कीजिए।
- (ii)स्वदेशी वस्तुओं के प्रचार- प्रसार के लिए एक आकर्षक विज्ञापन तैयार कीजिए।

**KENDRIYA VIDYALAYA GUNUPUR**  
**AUTUMN BREAK HOLIDAY HOMEWORK**  
**CLASS – X**                      **SUBJECT – MATHS**

**A. Instructions for Mathematics Portfolio (Class X)**

**1. Cover Page**

- Design an attractive cover page with the title *Mathematics Portfolio – Class X*.
- Mention your name, class, section, roll number, academic year, and school name (*Kendriya Vidyalaya Gunupur*).

**2. Basic Details (First Page)**

- Name:
- Class & Section:
- Roll Number:
- Admission No.:
- Your Hobby:
- You can add more points.

**3. Index Page**

- Prepare an index mentioning all contents of your portfolio in order with page numbers.

**4. Mind Maps of Chapters**

- Draw *neat mind maps* (handwritten) for **each Mathematics chapter taught** till the current date.
- Each mind map should include:
  - Key concepts and formulas
  - Important theorems/properties
  - Applications in daily life (wherever possible)
- Use diagrams, colors, and arrows to show connections and make them visually clear.

**5. Mathematical Creativity**

- At the end of the mind maps, add *1 page of creativity* (for example: math art, number patterns, puzzles, or any math-related activity you enjoy).

**6. Neatness & Presentation**

- Use only A4 size sheets (ruled or plain).
- Maintain **good handwriting, proper margin, and clear diagrams**.
- Avoid overwriting—use black/blue pen for writing and colored pens/pencils for highlighting.

**7. Submission**

- The completed portfolio should be submitted in a **spiral binding/file** on the very first date of opening your school after Autumn Break.
- Late submission may affect marks under *Portfolio marks for Board's Exam*.

**B. Do the Sample Paper provided below in your Homework Notebook.**

**MATHEMATICS STANDARD – Code No.041**  
**SAMPLE QUESTION PAPER**  
**CLASS – X (2025-26)**

**Maximum Marks: 80**

**Time: 3 hours**

**General Instructions:**

Read the following instructions carefully and follow them:

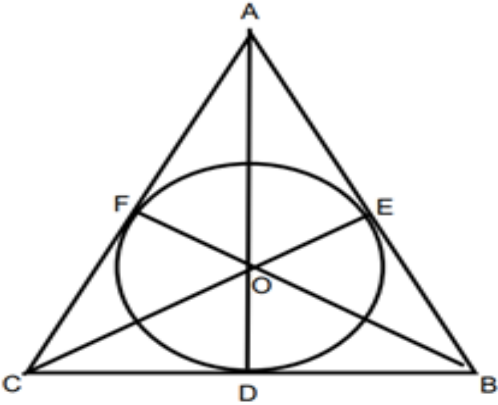
1. This question paper contains 38 questions. All Questions are compulsory.
2. This Question Paper is divided into 5 Sections A, B, C, D and E.
3. In Section A, Question numbers 1-18 are multiple choice questions (MCQs) and questions no. 19 and 20 are Assertion- Reason based questions of 1 mark each.
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 carrying 4 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, 2 questions of Section C and 2 questions of Section D has been provided. An internal choice has been provided in all the 2 marks 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.

**(Section A)**  
**Section A consists of 20 questions of 1 mark each.**

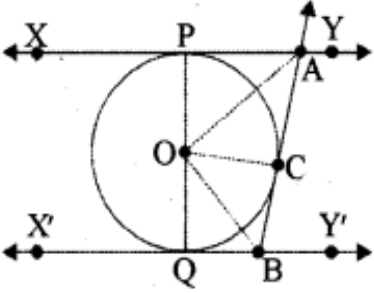
| Q.No. | Questions                                                                                                                                                                                                                                     | Marks |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1.    | If $a = 2^2 \times 3^x$ , $b = 2^2 \times 3 \times 5$ , $c = 2^2 \times 3 \times 7$ and $\text{LCM}(a, b, c) = 3780$ , then $x$ is equal to<br>(A) 1                      (B) 2                      (C) 3                      (D) 0         | 1     |
| 2.    | The shortest distance (in units) of the point (2,3) from y-axis is<br>(A) 2                      (B) 3                      (C) 5                      (D) 1                                                                                  | 1     |
| 3.    | If the lines given by $3x + 2ky = 2$ and $2x + 5y + 1 = 0$ are not parallel, then $k$ has to be<br>(A) $\frac{15}{4}$ (B) $\neq \frac{15}{4}$<br>(C) any rational number                      (D) any rational number having 4 as denominator | 1     |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 4.  | A quadrilateral ABCD is drawn to circumscribe a circle. If BC=7cm, CD=4cm and AD=3cm, then the length of AB is<br>(A) 3cm (B) 4cm (C) 6cm (D) 7cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |
| 5.  | If $\sec\theta + \tan\theta = x$ , then $\sec\theta - \tan\theta$ will be<br>(A) $x$ (B) $x^2$ (C) $\frac{2}{x}$ (D) $\frac{1}{x}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 |
| 6.  | Which one of the following is not a quadratic equation?<br>(A) $(x+2)^2 = 2(x+3)$ (B) $x^2 + 3x = (-1)(1-3x)^2$<br>(C) $x^3 - x^2 + 2x + 1 = (x+1)^3$ (D) $(x+2)(x+1) = x^2 + 2x + 3$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 |
| 7.  | <p>Given below is the picture of the Olympic rings made by taking five congruent circles of radius 1cm each, intersecting in such a way that the chord formed by joining the point of intersection of two circles is also of length 1cm. Total area of all the dotted regions (assuming the thickness of the rings to be negligible) is</p>  <p>(A) <math>4\left[\frac{\pi}{12} - \frac{\sqrt{3}}{4}\right] \text{ cm}^2</math> (B) <math>\left[\frac{\pi}{6} - \frac{\sqrt{3}}{4}\right] \text{ cm}^2</math><br/>(C) <math>4\left[\frac{\pi}{6} - \frac{\sqrt{3}}{4}\right] \text{ cm}^2</math> (D) <math>8\left[\frac{\pi}{6} - \frac{\sqrt{3}}{4}\right] \text{ cm}^2</math></p> <p><b>For Visually Impaired candidates</b><br/>The area of the circle that can be inscribed in a square of 6 cm is<br/>(A) <math>36\pi \text{ cm}^2</math> (B) <math>18\pi \text{ cm}^2</math> (C) <math>12\pi \text{ cm}^2</math> (D) <math>9\pi \text{ cm}^2</math></p> | 1 |
| 8.  | A pair of dice is tossed. The probability of not getting the sum eight is<br>(A) $\frac{5}{36}$ (B) $\frac{31}{36}$ (C) $\frac{5}{18}$ (D) $\frac{5}{9}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| 9.  | If $2\sin 5x = \sqrt{3}$ , $0^\circ \leq x \leq 90^\circ$ , then $x$ is equal to<br>(A) $10^\circ$ (B) $12^\circ$ (C) $20^\circ$ (D) $50^\circ$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 |
| 10. | The sum of two numbers is 1215 and their HCF is 81, then the possible pairs of such numbers are<br>(A) 2 (B) 3 (C) 4 (D) 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 11. | If the area of the base of a right circular cone is $51\text{cm}^2$ and it's volume is $85\text{cm}^3$ , then the height of the cone is given as<br>(A) $\frac{5}{6}\text{cm}$ (B) $\frac{5}{3}\text{cm}$ (C) $\frac{5}{2}\text{cm}$ (D) $5\text{cm}$                                                                                                                                                                                                                                                                                 | 1 |
| 12. | If zeroes of the quadratic polynomial $ax^2 + bx + c$ ( $a, c \neq 0$ ) are equal, then<br>(A) $c$ and $b$ must have opposite signs      (B) $c$ and $a$ must have opposite signs<br>(C) $c$ and $b$ must have same signs      (D) $c$ and $a$ must have same signs                                                                                                                                                                                                                                                                   | 1 |
| 13. | The area (in $\text{cm}^2$ ) of a sector of a circle of radius $21\text{cm}$ cut off by an arc of length $22\text{cm}$ is<br>(A) $441$ (B) $321$ (C) $231$ (D) $221$                                                                                                                                                                                                                                                                                                                                                                  | 1 |
| 14. | If $\triangle ABC \sim \triangle DEF$ , $AB=6\text{cm}$ , $DE=9\text{cm}$ , $EF=6\text{cm}$ and $FD=12\text{cm}$ , then the perimeter of $\triangle ABC$ is<br>(A) $28\text{cm}$ (B) $28.5\text{cm}$ (C) $18\text{cm}$ (D) $23\text{cm}$                                                                                                                                                                                                                                                                                              | 1 |
| 15. | If the probability of the letter chosen at random from the letters of the word "Mathematics" to be a vowel is $\frac{2}{2x+1}$ , then $x$ is equal to<br>(A) $\frac{4}{11}$ (B) $\frac{9}{4}$ (C) $\frac{11}{4}$ (D) $\frac{4}{9}$                                                                                                                                                                                                                                                                                                    | 1 |
| 16. | The points $A(9,0)$ , $B(9, -6)$ , $C(-9,0)$ and $D(-9,6)$ are the vertices of a<br>(A) Square      (B) Rectangle      (C) Parallelogram      (D) Trapezium                                                                                                                                                                                                                                                                                                                                                                           | 1 |
| 17. | The median of a set of 9 distinct observation is $20.5$ . If each of the observations of a set is increased by $2$ , then the median of a new set<br>(A) is increased by $2$<br>(B) is decreased by $2$<br>(C) is two times the original number<br>(D) Remains same as that of original observations                                                                                                                                                                                                                                  | 1 |
| 18. | The length of a tangent drawn to a circle of radius $9\text{cm}$ from a point at a distance of $41\text{cm}$ from the centre of the circle is<br>(A) $40\text{cm}$ (B) $9\text{cm}$ (C) $41\text{cm}$ (D) $50\text{cm}$                                                                                                                                                                                                                                                                                                               | 1 |
|     | <p><b>DIRECTIONS:</b> In the question number 19 and 20, a statement of <b>Assertion (A)</b> is followed by a statement of <b>Reason (R)</b>.</p> <p><b>Choose the correct option:</b></p> <p>(A) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)<br/> (B) Both assertion (A) and reason (R) are true and reason (R) is not the explanation of assertion (A)<br/> (C) Assertion (A) is true but reason (R) is false.<br/> (D) Assertion (A) is false but reason (R) is true.</p> |   |

|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 19.                                                                                                                        | <b>Assertion (A):</b> The number $5^n$ cannot end with the digit 0, where $n$ is a natural number<br><b>Reason (R):</b> A number ends with 0, if its prime factorization contains both 2 and 5                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| 20.                                                                                                                        | <b>Assertion (A):</b> If $\cos A + \cos^2 A = 1$ , then $\sin^2 A + \sin^4 A = 1$<br><b>Reason (R):</b> $\sin^2 A + \cos^2 A = 1$                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 |
| <p align="center"><b>(Section – B)</b></p> <p align="center"><b>Section B consists of 5 questions of 2 marks each.</b></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| 21.(A)                                                                                                                     | The A.P 8, 10, 12,..... has 60 terms. Find the sum of last 10 terms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 |
| (B)                                                                                                                        | <p align="center"><b>OR</b></p> Find the middle term of A.P 6,13, 20, ....., 230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
| 22.                                                                                                                        | If $\sin(A + B) = 1$ and $\cos(A - B) = \frac{\sqrt{3}}{2}$ , $0^\circ < A, B < 90^\circ$ , find the measure of angles $A$ and $B$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 |
| 23.                                                                                                                        | If AP and DQ are medians of triangles ABC and DEF respectively, where $\triangle ABC \sim \triangle DEF$ , then prove that $\frac{AB}{DE} = \frac{AP}{DQ}$                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 |
| 24.(A)                                                                                                                     | A horse, a cow and a goat are tied, each by ropes of length 14m, at the corners A, B and C respectively, of a grassy triangular field ABC with sides of lengths 35m, 40m and 50 m. Find the area of grass field that can be grazed by them.                                                                                                                                                                                                                                                                                                                                                           | 2 |
| (B)                                                                                                                        | <p align="center"><b>OR</b></p> Find the area of the major segment (in terms of $\pi$ ) of a circle of radius 5cm, formed by a chord subtending an angle of $90^\circ$ at the centre.                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| 25.                                                                                                                        | <p>A <math>\triangle ABC</math> is drawn to circumscribe a circle of radius 4 cm such that the segments BD and DC are of lengths 10 cm and 8 cm respectively. Find the lengths of the sides AB and AC, if it is given that <math>\text{ar}(\triangle ABC) = 90\text{cm}^2</math></p>  <p><b>For Visually Impaired candidates:</b></p> <p>A circle is inscribed in a right-angled triangle ABC, right angled at B. If <math>BC=7\text{cm}</math> and <math>AB=24\text{cm}</math>, find the radius of the circle</p> | 2 |

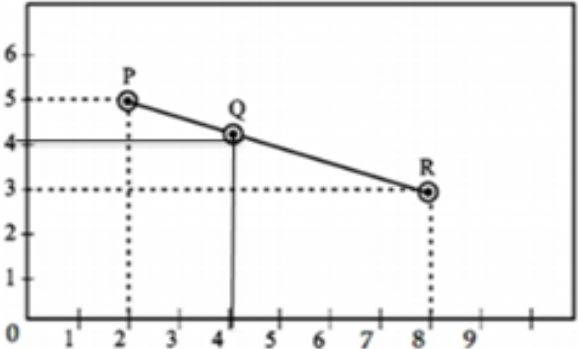
**(Section – C)**  
**Section C consists of 6 questions of 3 marks each.**

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <p><b>26.</b></p>                                                                   | <p>In Figure, XY and X'Y' are two parallel tangents to a circle with centre O and another tangent AB with point of contact C intersecting XY at A and X'Y' at B. Prove that <math>\angle AOB = 90^\circ</math></p>  <p><b>For Visually Impaired candidates:</b></p> <p>Two tangents PA and PB are drawn to a circle with centre O from an external point P. Prove that <math>\angle APB = 2(\angle OAB)</math></p>                                                                                    | <p><b>3</b></p> |
| <p><b>27.</b></p>                                                                   | <p>In a workshop, the number of teachers of English, Hindi and Science are 36, 60 and 84 respectively. Find the minimum number of rooms required, if in each room the same number of teachers are to be seated and all of them being of the same subject.</p>                                                                                                                                                                                                                                                                                                                           | <p><b>3</b></p> |
| <p><b>28.</b></p>                                                                   | <p>Find the zeroes of the quadratic polynomial <math>2x^2 - (1 + 2\sqrt{2})x + \sqrt{2}</math> and verify the relationship between the zeroes and coefficients of the polynomial.</p>                                                                                                                                                                                                                                                                                                                                                                                                   | <p><b>3</b></p> |
| <p><b>29.</b></p>                                                                   | <p>If <math>\sin\theta + \cos\theta = \sqrt{3}</math>, then prove that <math>\tan\theta + \cot\theta = 1</math></p> <p style="text-align: center;"><b>OR</b></p> <p>Prove that <math>\frac{\cos A - \sin A + 1}{\cos A + \sin A - 1} = \operatorname{cosec} A + \cot A</math></p>                                                                                                                                                                                                                                                                                                       | <p><b>3</b></p> |
| <p><b>30.</b></p>                                                                   | <p>On a particular day, Vidhi and Unnati couldn't decide on who would get to drive the car. They had one coin each and flipped their coin exactly three times. The following was agreed upon:</p> <ol style="list-style-type: none"> <li>1. If Vidhi gets two heads in a row, she would drive the car</li> <li>2. If Unnati gets a head immediately followed by a tail, she would drive the car.</li> </ol> <p>Who has greater probability to drive the car that day? Justify your answer.</p>                                                                                          | <p><b>3</b></p> |
| <p><b>31.(A)</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>(B)</b></p> | <p>The monthly income of Aryan and Babban are in the ratio 3:4 and their monthly expenditures are in ratio 5:7. If each saves ₹ 15,000 per month, find their monthly incomes.</p> <p>Solve the following system of equations graphically:<br/> <math>2x + y = 6</math>, <math>2x - y - 2 = 0</math>. Find the area of the triangle so formed by two lines and x - axis.</p> <p><b>For Visually Impaired candidates:</b></p> <p>Five years hence, fathers age will be three times the age of son. Five years ago, father was seven times as old as his son. Find their present ages.</p> | <p><b>3</b></p> |

(Section – D)

Section D consists of 4 questions of 5 marks each

| 32.             | A train travels at a certain average speed for a distance of 63km and then travels at a distance of 72km at an average speed of 6km/hr more than its original speed. If it takes 3 hours to complete the total journey, what is the original average speed?                                                                                                                                                                                                                                                                                                                                      | 5               |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------|---------|---------------|---------|---------------|-----------|---------------|----|---------------|----|---------------|----|---|
| 33.             | <p>Prove that if a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.</p> <p>Hence in <math>\Delta PQR</math>, prove that a line <math>\ell</math> intersects the sides PQ and PR of a <math>\Delta PQR</math> at L and M respectively such that <math>LM \parallel QR</math>. If <math>PL = 5.7\text{cm}</math>, <math>PQ=15.2\text{cm}</math> and <math>MR=5.5\text{cm}</math>, then find the length of PM (in cm)</p>                                                                   | 5               |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| 34.(A)          | <p>From a solid right circular cone, whose height is 6cm and radius of base is 12cm, a right circular cylindrical cavity of height 3cm and radius 4cm is hollowed out such that bases of cone and cylinder form concentric circles. Find the surface area of the remaining solid in terms of <math>\pi</math>.</p> <p style="text-align: center;"><b>OR</b></p>                                                                                                                                                                                                                                  | 5               |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| (B)             | <p>An empty cone of radius 3cm and height 12cm is filled with ice-cream such that the lower part of the cone which is <math>(\frac{1}{6})^{\text{th}}</math> of the volume of the cone is unfilled (empty) but a hemisphere is formed on the top. Find the volume of the ice-cream.</p>                                                                                                                                                                                                                                                                                                          |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| 35.(A)          | <p>If the mode of the following distribution is 55, then find the value of <math>x</math>. Hence, find the mean.</p> <table><tr><td>Class Interval</td><td>0 – 15</td><td>15 – 30</td><td>30 – 45</td><td>45 – 60</td><td>60 – 75</td><td>75 – 90</td></tr><tr><td>Frequency</td><td>10</td><td>7</td><td><math>x</math></td><td>15</td><td>10</td><td>12</td></tr></table> <p style="text-align: center;"><b>OR</b></p>                                                                                                                                                                         | Class Interval  | 0 – 15          | 15 – 30       | 30 – 45 | 45 – 60       | 60 – 75 | 75 – 90       | Frequency | 10            | 7  | $x$           | 15 | 10            | 12 | 5 |
| Class Interval  | 0 – 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15 – 30         | 30 – 45         | 45 – 60       | 60 – 75 | 75 – 90       |         |               |           |               |    |               |    |               |    |   |
| Frequency       | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7               | $x$             | 15            | 10      | 12            |         |               |           |               |    |               |    |               |    |   |
| (B)             | <p>A survey regarding heights (in cm) of 51 girls of class X of a school was conducted and the following data was obtained:</p> <table><tr><th>Heights (in cm)</th><th>Number of girls</th></tr><tr><td>less than 140</td><td>04</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 girls. If mode of the above distribution is 148.05, find the mean using empirical formula.</p> | Heights (in cm) | Number of girls | less than 140 | 04      | less than 145 | 11      | less than 150 | 29        | less than 155 | 40 | less than 160 | 46 | less than 165 | 51 |   |
| Heights (in cm) | Number of girls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 140   | 04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 145   | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 150   | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 155   | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 160   | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |
| less than 165   | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                 |               |         |               |         |               |           |               |    |               |    |               |    |   |

| <p align="center"><b>(Section – E)</b></p> <p align="center"><b>Section E consists of 3 case study-based questions of 4 marks each.</b></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36.                                                                                                                                         | <p>In a class, the teacher asks every student to write an example of A.P. Two boys Aryan and Roshan writes the progression as <math>-5, -2, 1, 4, \dots</math> and <math>187, 184, 181, \dots</math> respectively. Now the teacher asks his various students the following questions on progression.</p> <p>Help the students to find answers for the following:</p> <ol style="list-style-type: none"> <li>Find the sum of the common difference of two progressions.</li> <li>Find the 34<sup>th</sup> term of progression written by Roshan.</li> <li>(A) Find the sum of first 10 terms of the progression written by Aryan.</li> </ol> <p align="center"><b>OR</b></p> <p>(B) Which term of the progressions will have the same value?</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p align="right"><b>1</b></p> <p align="right"><b>1</b></p> <p align="right"><b>2</b></p> <p align="right"><b>2</b></p>                                                             |
| 37.                                                                                                                                         | <p>A group of class X students goes to picnic during winter holidays. The position of three friends Aman, Kirti and Chahat are shown by the points P, Q and R</p>  <ol style="list-style-type: none"> <li>Find the distance between P and R.</li> <li>Is Q, the midpoint of PR? Justify by finding midpoint of PR.</li> <li>(A) Find the point on x-axis which is equidistant from P and Q.</li> </ol> <p align="center"><b>OR</b></p> <p>(B) Let S be a point which divides the line joining PQ in ratio 2:3. Find the coordinates of S.</p> <p><b>For Visually Impaired Candidates:</b></p> <p>A group of class X students goes to picnic during winter holidays. Aman, Kirti and Chahat are three friends. The position of three friends Aman, Kirti and Chahat are shown by the points P, Q and R.</p> <p>The co-ordinates of P (2,5), Q (4,4) and R (8,3) are given.</p> <ol style="list-style-type: none"> <li>Find the distance between P and R.</li> <li>Is Q the midpoint of PR? Justify by finding midpoint of PR.</li> <li>(A) Find the point on x-axis which is equidistant from P and Q.</li> </ol> <p align="center"><b>OR</b></p> <p>(B) Let S be a point which divides the line joining PQ in ratio 2:3. Find the coordinates of S.</p> | <p align="right"><b>1</b></p> <p align="right"><b>1</b></p> <p align="right"><b>2</b></p> <p align="right"><b>2</b></p> <p align="right"><b>2</b></p> <p align="right"><b>2</b></p> |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---|
| 38. | <p>India gate (formerly known as All India war memorial) is located near Karthavya path. (formerly Rajpath) at New Delhi. It stands as a memorial to 74187 soldiers of Indian Army, who gave their life in the first world war. This 42m tall structure was designed by Sir Edwin Lutyens in the style of Roman triumphal arches. A student Shreya of height 1 m visited India Gate as a part of her study tour.</p> |  |   |
|     | <p>i. What is the angle of elevation from Shreya's eye to the top of India Gate, if she is standing at a distance of 41m away from the India Gate?</p>                                                                                                                                                                                                                                                               |                                                                                    | 1 |
|     | <p>ii. If Shreya observes the angle of elevation from her eye to the top of India Gate to be <math>60^\circ</math>, then how far is she standing from the base of the India Gate?</p>                                                                                                                                                                                                                                |                                                                                    | 1 |
|     | <p>iii. (A) If the angle of elevation from Shreya's eye changes from <math>45^\circ</math> to <math>30^\circ</math>, when she moves some distance back from the original position. Find the distance she moves back.</p>                                                                                                                                                                                             |                                                                                    | 2 |
|     | <p style="text-align: center;"><b>OR</b></p> <p>(B) If Shreya moves to a point which is at a distance of <math>\frac{41}{\sqrt{3}}</math> m from the India Gate, then find the angle of elevation made by her eye to the top of India Gate.</p>                                                                                                                                                                      |                                                                                    | 2 |

\*Please note that the assessment scheme of the Academic Session 2024-25 will continue in the current session i.e. 2025-26

**KENDRIYA VIDYALAYA GUNUPUR**

**HOLIDAY HOMEWORK**

Subject-Science(Subject code:086)

CLASS-X

**Physics**

1. Explain the construction and working of an electric motor with a neat diagram.
2. State the laws of refraction. Derive the relation between focal length and radius of curvature of a spherical mirror.
3. What is Ohm's law? Derive the expression for the equivalent resistance in series and parallel combination.
4. Explain the power of a lens. Derive the formula relating focal length (f), object distance (u), and image distance (v).
5. With the help of a ray diagram, explain the working of a human eye. What are the defects of vision and how can they be corrected?

**Chemistry**

1. Explain the reactivity series of metals with suitable examples. How does it help in predicting displacement reactions?
2. What is saponification? Explain the chemical properties of soap and detergents.
3. Describe the process of electrolytic refining of copper with reactions.
4. Explain the formation of ionic bond with the example of NaCl and covalent bond with the example of CH<sub>4</sub>.
5. Write balanced chemical equations for the reactions of zinc with:
  - (a) Dilute HCl
  - (b) Copper sulphate solution
  - (c) Sodium hydroxide

**Biology**

1. Explain the process of photosynthesis in plants. Write the chemical equation and discuss the factors affecting it.

2. Describe the process of digestion in human beings. Draw a labelled diagram of the human digestive system.
3. Explain the mechanism of breathing in human beings with neat diagrams.
4. What is reproductive health? Explain the need and methods of family planning.
5. With the help of suitable examples, explain the rules of inheritance of traits discovered by Mendel.

**Series #CDBA****SET-4****Q.P. Code****1**

Roll No.

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Candidates must write the Q.P. Code on the title page of the answer-book.

**NOTE**

- (I) Please check that this question paper contains **11** printed pages.
- (II) Please check that this question paper contains **10** questions.
- (III) Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- (IV) **Please write down the serial number of the question in the answer-book before attempting it.**
- (V) 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

## ENGLISH

### (Communicative)

Time allowed : 3 hours

Maximum Marks : 80

**General Instructions :**

Read the following instructions very carefully and strictly follow them :

- (i) The question paper is divided into **four** sections – A, B, C and D.

**Section A** — Reading Skills

**22 marks**

**Section B** — Writing Skills

**22 marks**

**Section C** — Grammar

**10 marks**

**Section D** — Literature Textbook

**26 marks**

- (ii) There are **10** questions in the question paper. **All** questions are compulsory.
- (iii) Answers should be brief and to the point.
- (iv) You may attempt any section at a time.
- (v) All questions of that particular section must be attempted in the correct order.
- (vi) Instructions are given with each section and question, wherever necessary.



## SECTION A – (Reading Skills)

(22 marks)

1. Read the following passage carefully :

12

- (1) It was a bleak, rainy day, and I had no desire to drive up the winding mountain road to my daughter Carolyn's house. But she had insisted that I come and see something at the top of the mountain.
- (2) So, here I was, reluctantly making the two-hour journey through fog that hung like veils. By the time I saw how thick it was near the summit, I'd gone too far to turn back. Nothing could be worth this, I thought, as I inched along the perilous highway.
- (3) "I'll stay for lunch, but I'm heading back down as soon as the fog lifts," I announced when I arrived. "But I need you to drive me to the garage to pick up my car," Carolyn said. "Could we at least do that?"
- (4) "How far is it?" I asked. "About three minutes," she said. "I'll drive — I'm used to it."
- (5) After ten minutes on the mountain road, I looked at her anxiously. "I thought you said three minutes." She grinned. "This is a detour."
- (6) Turning down a narrow track, we parked the car and got out. We walked along a path that was thick with old pine needles. Huge black-green evergreens towered over us. Gradually, the peace and silence of the place began to fill my mind.
- (7) Then we turned a corner and stopped — and I gasped in amazement. From the top of the mountain, sloping for several acres across folds and valleys, were rivers of daffodils in radiant bloom. A profusion of colour — from the palest ivory to the deepest lemon to the most vivid salmon — blazed like a carpet before us. It looked as though the sun had tipped over and spilled gold down the mountainside.
- (8) At the centre, cascaded a waterfall of purple hyacinths. Here and there were coral-coloured tulips. And as if this bonanza were not enough, western bluebirds frolicked over the heads of the daffodils, their tawny breasts and sapphire wings like a flutter of jewels.
- (9) A riot of questions filled my mind. Who created such beauty? Why? How? As we approached the home that stood in the centre of the property, we saw a sign that read: "Answers to the Questions I Know You Are Asking."



- (10) The first answer was : “One Woman — Two Hands, Two Feet.” The second was : “One at a Time.” The third : “Started in 1958.”
- (11) As we drove home, I was so moved by what we had seen, I could scarcely speak. “She changed the world,” I finally said, “one bulb at a time. She started almost 40 years ago, probably just the beginning of an idea, but she kept at it.”
- (12) The wonder of it would not let me go. “Imagine,” I said, “if I’d had a vision and worked at it, just a little bit every day, what might I have accomplished ?” Carolyn looked at me sideways, smiling. “Start tomorrow,” said she. “Better yet, start today.”

Answer the following questions, based on the above passage :

- (i) State why the author was reluctant to make a two-hour journey. 1
- (ii) “This is a detour.” On what occasion did Carolyn say this to the author ? (30 – 40 words only) 2
- (iii) The author started liking the place because : 1
- (A) of its forest and sandy sea beach.
- (B) of the black-green evergreens towering over them.
- (C) of the bleak and rainy day.
- (D) of reaching the place in just three minutes.
- (iv) The place, where the author went with her daughter, had a beautiful panoramic view. Justify this statement with reference to the passage, in about 40 words. 2
- (v) Why was the narrator’s mind filled with questions ? 1
- (vi) Complete the following sentence appropriately : 1
- “The wonder of it would not let me go.”
- From this sentence, we can infer that the author was deeply \_\_\_\_\_ .
- (vii) State whether the given assertion is *True* or *False*. 1
- A field of flowers opens one woman’s eyes to the world of the possibilities.



- (viii) What is the lesson the author learns from her experience ? 1
- (A) To drive to such places more often
- (B) To start working for Nature
- (C) To change the world with a new vision
- (D) That there is a huge world of possibilities
- (ix) Find a word from Paragraph 1, which means the same as 'cheerless and gloomy'. 1
- (x) Substitute the word 'perilous' with a word which is its synonym : 1
- (A) dangerous
- (B) cunning
- (C) devastating
- (D) secured

2. Read the following table displaying the performance and interest of four students of different calibre in academics and co-curricular activities. 10

| Name  | Mathematics | Science | English | Overall Average (100) | Interest in Co-curricular Activities | Performance in the Inter-School Competition                      |
|-------|-------------|---------|---------|-----------------------|--------------------------------------|------------------------------------------------------------------|
| Ravi  | 75          | 80      | 70      | 75                    | Sports (Cricket, Football)           | Won 1 <sup>st</sup> place in Inter-School Football Tournament    |
| Mohit | 95          | 90      | 85      | 90                    | Debate, Quiz, Elocution              | Awarded Best Speaker in Inter-School Debate Competition          |
| Raghu | 55          | 60      | 50      | 55                    | Painting, Drama, Photography         | Displayed artwork in Inter-School Art Exhibition                 |
| Lata  | 100         | 98      | 95      | 97                    | Robotics, Coding, Chess              | Secured 2 <sup>nd</sup> place in Inter-School Robotics Challenge |

Answer the following questions, based on the above table :

- (i) Identify the student from the above table who has artistic ideas. 1



- (ii) Lata has interest in Robotics and Coding. Choose the best career option for her from the given options : 1
- (A) Event Organiser
- (B) App Developer
- (C) Choreographer
- (iii) Which interest(s) of Raghu can help him to relax whenever he is stressed ? 1
- (iv) Give one justification each to prove that : 2
- (a) Lata's actions are based on accurate calculations, and
- (b) Lata is capable of cracking any competitive examination.
- (v) Select the correct option to fill in the blank and complete the analogy : 1
- guitar : music :: \_\_\_\_\_ : photograph
- (vi) Complete the given sentence with the appropriate reason, with reference to the information in the given table. 1
- From the table given above, we can infer that even though Raghu is an average student yet he is \_\_\_\_\_ than Lata.
- (vii) Explain why situation (C) showcases the sportsmanship quality of Ravi : 2
- (A) In an inter-school cricket tournament, Ravi played well and helped the team to win the match.
- (B) In an inter-school cricket match, it was Ravi who cheered his team as a captain and took important decisions to win the match.
- (C) After an inter-school cricket match, Ravi congratulated the opposite team for winning the match.
- (viii) Choose the correct option which proves that Mohit is a good Debater : 1
- (A) Mohit shouts at the beginning of any discussion and does not let others speak.
- (B) Mohit argues without any facts while presenting his ideas.
- (C) Mohit can convince others with valid points and facts.



## SECTION B – (Writing Skills)

(22 marks)

3. As Aarushi, a student of class IX, write an email, in 50 words, to the Principal of your school, requesting him/her for a change your section from IX-A to IX-B.

3

Include a reason why you desire the change.

You may copy the given template to write your email.

|           |                          |
|-----------|--------------------------|
| From :    |                          |
| To :      |                          |
| Cc :      | <u>ssc@xyzschool.com</u> |
| Date :    | April 10, 2024, 07:05 PM |
| Subject : |                          |
|           |                          |

4. Write a factual description, in not more than 100 words, of an English Notebook that you have to submit to your teacher.

4

5. (a) Vocational Education prepares learners for jobs that are based on manual or practical activities. Taking ideas from the unit 'Education,' along with your own ideas, write a letter to the editor of a newspaper in about 120 words, providing information to the students about the growing need of Vocational Education in the present day world.

7

**OR**

- (b) Ecotourism means responsible travel to natural areas conserving the environment. Imagine yourself as a member of the Ecotourism Society of India. Taking ideas from the units 'Environment' and 'Travel and Tourism', write a letter to the Ministry of Tourism, mentioning the ways to propagate Ecotourism by sensitizing people.

7



6. (a) India represents a harmonious oneness in spite of distinctions. Taking ideas from the unit 'National Integration', and using the given cues along with your own ideas, write an article in 150 words for your school magazine on 'The Importance of Diversified Culture.'

India – a land embracing many cultures

India – festivals dedicated to seasons and harvests

India – multitude of castes, creed, colour, convictions, culture, cuisines, costumes and customs

India – national festivals – pride, sense of patriotism – promote national integration

8

**OR**

- (b) EVs or Electric vehicles have now become a necessity. Keeping in mind how the rise in economic activity and burgeoning population has led to a tremendous demand of electric vehicles in the transport sector, especially in urban India, write an article on 'A World with Smog-free and Clean Air.' Use the given cues along with your own ideas from the Unit – 'Science'. (150 words)

India's ever-growing population  
EV – Lower running costs

Critical issues of air and noise pollution

Zero tailpipe emissions

Electric vehicles – low maintenance costs

8

### **SECTION C – (Grammar)**

**(10 marks)**

7. Complete the tasks (a) – (c), as directed.

- (a) Fill in the blanks (i) – (iii) with the appropriate option from those given in the brackets.

3

A house on my way to work (i) \_\_\_\_\_ (had acquired/has acquired/acquired) an American pit bull terrier. On the surface, it (ii) \_\_\_\_\_ (seems/seemed/has seemed) to be a friendly dog. All it does (iii) \_\_\_\_\_ (was/are/is) stand and grin through the fence.



- (b) In the following paragraph, one word has been omitted in each line. In your answer sheets, remember to write the missing word along with the word that comes before and after it, as shown below. The first one has been done as an example.

4

| No.   | Text                                 | Word before | Omission | Word after |
|-------|--------------------------------------|-------------|----------|------------|
| e.g.  | I ten minutes late                   | I           | was      | ten        |
| (i)   | for work morning. The exhaust pipe   | _____       | _____    | _____      |
| (ii)  | fell the bus. Mr. Brown was entirely | _____       | _____    | _____      |
| (iii) | unsympathetic. He said, 'You get     | _____       | _____    | _____      |
| (iv)  | yourself bicycle, Robin.'            | _____       | _____    | _____      |

- (c) Do as directed.

- (i) Rearrange the following jumbled words/phrases in the given dialogue to create a meaningful sentence.

1

Mohan : Do you know why many people, now-a-days, do not like the concept of zoo?

Lalit : No, I don't. Can you give me a valid reason, why ?

Mohan : like/zoos/animals in cages/many/do not/zoo/concept of/people/ this /keep/as

- (ii) Report the dialogues to complete the paragraph that follows. 1+1

Rohit : I have bought a new DSLR camera.

Mohit : What will you do with this ?

Rohit : I will click beautiful pictures with this camera.

Rohit told Mohit that (a) \_\_\_\_\_. As Mohit was not aware of it, so he asked (b) \_\_\_\_\_. To this, Rohit answered that he would click beautiful pictures with that camera.



## SECTION D – Literature Textbook

(26 marks)

8. Read the following excerpts and answer the questions briefly, for any **two** excerpts, of the given three, (a), (b), (c). 4+4=8

- (a) “Yes,” the frog replied. “You see,  
I’m the frog who owns this tree.  
In this bog I’ve long been known  
For my splendid baritone  
And, of course, I wield my pen for  
Bog Trumpet now and then”.

(The Frog and the Nightingale)

- (i) Why is the frog famous in the bog ? 1
- (ii) Which characteristic trait of the frog is revealed from the above lines ? 1
- (iii) Explain the term ‘baritone’. 1
- (iv) How does the frog introduce himself ? 1
- (b) Mrs. Jordan : No, that’ll never do. We want a verse that says how much we loved him and refers to all his good qualities and says what a heavy loss we’ve had.
- Mrs. Slater : You want a whole poem. That’ll cost a good lot.
- Mrs. Jordan : Well, we’ll think about it after tea, and then we’ll look through his bits of things and make a list of them. There’s all the furniture in his room.

(The Dear Departed)

- (i) What does Mrs. Jordan want ? 1
- (ii) Mrs. Slater does not want a whole poem to be published. Why ? 1
- (iii) “You want a whole poem. That’ll cost a good lot.” Mention one characteristic trait of Mrs. Slater through this line. 1
- (iv) Which is more important for these speakers — mourning on their father’s death or distributing his property between them ? 1



- (c) 'Counting your chickens again before they're hatched, are you ? No wonder you could never make a go of it.'

'But it's the real thing this time! Go and make me a cup of tea, will you ? And remind me to take some ginger juice tonight. It's very good for the throat.'

(Patol Babu)

- (i) Identify the phrase that gives an impression that the speaker does not have any faith in Patol Babu. 1
- (ii) How does Patol Babu try to convince his wife ? 1
- (iii) What does the phrase 'counting your chickens again before they're hatched' mean ? 1
- (iv) Why was Patol Babu not successful, according to his wife ? 1

9. Answer any **five** of the following questions in 30 – 40 words each :  $5 \times 2 = 10$

- (i) Describe the poet's (D.H. Lawrence) dual attitude towards the snake. (The Snake) 2
- (ii) You can feel other's pain only when you go through it yourself. Validate this statement with reference to the story, 'The Letter' and why it took place ? (The Letter) 2
- (iii) John was worried and concerned about his wife's response after meeting the ghost. But it proved to be baseless. Justify. (The Shady Plot) 2
- (iv) Humour plays a major role in the chapter, 'Mrs. Packletide's Tiger'. Prove this statement with the instances of humour. (Mrs. Packletide's Tiger) 2
- (v) 'Et tu, Brute!' These were the last words of Julius Caesar. Elucidate with reference to the drama 'Julius Caesar'. Why did Caesar say these words before his death ? (Julius Caesar) 2
- (vi) Will power and determination bring success against all odds. Comment with reference to 'Virtually True.' (Virtually True) 2



10. Answer any **one** of the following two questions in about 150 words :

8

- (a) In the poems 'Ozymandias' by Percy Bysshe Shelley and 'Not Marble, Nor the Gilded Monuments' by William Shakespeare, the concept of Time is explored, but each poet treats it in a distinct manner. Elucidate.

**OR**

- (b) Both the stories 'Two Gentlemen of Verona' and 'The Letter' teach us not to lose hope and courage even in adverse situations. Write a letter to a friend justifying the statement with reference to the stories.

**Sample Question Paper**  
**Communicative English**  
**2023-24**  
**Class - X**

**Time allowed: 3 Hrs.**

**Max. Marks 80**

**Details and instructions**

1. 15-minute prior reading time allotted for Q-paper reading.
2. The Question Paper contains FOUR sections-READING SKILLS, WRITING SKILLS, GRAMMAR and LITERATURE TEXTBOOK.
3. Attempt questions based on specific instructions for each part.

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

| I                                                                  | Read the following passage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12 m |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| A                                                                  | Dirшти was young woman who had always been fascinated by the supernatural. She had read countless books and watched numerous documentaries about ghosts and otherworldly beings. So, when she heard about an abandoned hotel on the outskirts of town that was said to be haunted, she knew she had to investigate.                                                                                                                                                                                            |      |
| B                                                                  | One night, Dirшти decided to sneak into the dilapidated hotel with a few of her friends. As they made their way through the dark, eerie corridors, they heard strange noises and felt cold spots. They were convinced that they were not alone.                                                                                                                                                                                                                                                                |      |
| C                                                                  | Suddenly, they came across a room that was different from the rest. It was filled with old cooking equipment and strange symbols etched into the walls. Dirшти felt a chill run down her spine as she entered the room. She knew that this was where the most paranormal activity occurred. As they were examining the room, they heard a loud bang coming from the hallway. They froze in fear, not knowing what was coming their way. They could hear footsteps approaching, and they knew they had to hide. |      |
| D                                                                  | They quickly ducked behind some old shelves as the footsteps grew louder. The sound of breathing was getting closer and closer until finally, they saw a figure appear in the doorway. It was a man wearing a chef's hat, with a face that was twisted in a sinister smile. Dirшти and her friends felt their blood run cold as the man approached them. They could feel his cold breath on their faces as he leaned in, whispering in a deep voice, "You shouldn't be here."                                  |      |
| E                                                                  | Dirшти and her friends were frozen with fear as they stared into the chef's eyes. But suddenly, the lights flickered on and the figure disappeared. They looked around the room, and everything seemed normal. They had been so scared that they hadn't realized they were in a room with faulty wiring.                                                                                                                                                                                                       |      |
| F                                                                  | Disappointed, they realized that their ghost hunt had been a bust. They left the hotel feeling deflated and let down. They had hoped for an exciting, spine-tingling adventure, but all they got was a scary moment caused by faulty wiring. As they drove home, they couldn't help but feel foolish for getting so worked up over nothing. They had been so convinced that they would find evidence of the paranormal that they had overlooked the simple explanation for the noises they had heard.          |      |
| G                                                                  | Dirшти learned an important lesson that night. Sometimes, the scariest things are the ones that we create in our own minds. She realized that she didn't need to chase after the supernatural to experience thrills and excitement. The world around her was full of mystery and wonder, and she was content to experience it without the need for ghosts and ghouls.                                                                                                                                          |      |
| (Created for academic usage/ 531 words)                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |
| <b>Answer the following questions, based on the passage above.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |
| I i                                                                | How does the setting contribute to the overall mood and atmosphere of the story?                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    |

**Sample Question Paper**  
**Communicative English**  
**2023-24**  
**Class - X**

|      |                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      | <p>A. It creates a sense of nostalgia.</p> <p>B. It provides a sense of false security.</p> <p>C. It adds to the suspense in the story.</p> <p>D. It presents a contrast with the real world.</p>                                                                                                                                                                                                                 |   |
| ii   | List two ways, how the disappointment that Drishti and her friends felt after their ghost hunt, is analogous to the feeling of waking up from a dream. Answer in 30 -40 words                                                                                                                                                                                                                                     | 2 |
| iii  | <p>What is the main flaw in Drishti's approach to investigating the haunted hotel?</p> <p>A. She was too focused on finding evidence of the paranormal.</p> <p>B. She was too skeptical and refused to believe in the possibility of ghosts.</p> <p>C. She relied too heavily on other people's accounts of the supernatural.</p> <p>D. She didn't take enough precautions to ensure her safety.</p>              | 1 |
| iv   | <p>After which paragraph of the story, would the following paragraph most likely be placed?</p> <p><i>They commenced walking through the hotel, Drishti's torchlight barely illuminating the darkness around her. Suddenly, they heard a loud creaking noise behind them. Drishti whipped around, pointing her flashlight in the direction of the noise. Nothing . Shaken, they all quickened their pace.</i></p> | 1 |
| v    | Briefly explain (in 30-40 words) any two elements that classify the story as scary.                                                                                                                                                                                                                                                                                                                               | 2 |
| vi   | <p>Substitute the underlined word in the following sentence with a word/ phrase from paragraphs 4-6, that means the same.</p> <p><i>The sound of the footsteps outside the door left her <u>petrified</u> and the rasping breathing added to her horror.</i></p>                                                                                                                                                  | 1 |
| vii  | <p>What is the most significant lesson that Drishti learns from her experience in the haunted hotel?</p> <p>A. The importance of avoiding risk- taking.</p> <p>B. The need to be more sceptical of the supernatural.</p> <p>C. The value of evaluating your weaknesses</p> <p>D. The power of imagination to create suspense.</p>                                                                                 | 1 |
| viii | <p>Complete the following appropriately.</p> <p><i>Based on the use of the word "dilapidated" to describe the hotel, in Paragraph 2, we can infer that its condition was _____.</i></p>                                                                                                                                                                                                                           | 1 |
| ix   | <p>Complete the sentence appropriately.</p> <p>If the title, <i>The Hotel Haunting</i> is given to this passage, it would be an inappropriate title, as compared to <i>The Unsettling Encounter at the Abandoned Hotel</i> because _____.</p>                                                                                                                                                                     | 1 |
| x    | <p>State whether the given assertion is TRUE or FALSE.</p> <p><i>The reason Drishti and her friends visited the abandoned hotel was to prove the existence of ghosts.</i></p>                                                                                                                                                                                                                                     | 1 |

**Sample Question Paper**  
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**2023-24**  
**Class - X**

|        |                                                                         |                                 |                                                  |                   |                                       |                                          |                                                            |      |
|--------|-------------------------------------------------------------------------|---------------------------------|--------------------------------------------------|-------------------|---------------------------------------|------------------------------------------|------------------------------------------------------------|------|
| 2      | Read the following table displaying the details of five House Captains. |                                 |                                                  |                   |                                       |                                          |                                                            | 10 m |
| Name   | Motto                                                                   | Participation in activities     | Achievements                                     | Awards            | Personal Qualities                    | Drawbacks                                | Other notable things                                       |      |
| Rohit  | "Together we can achieve greatness"                                     | Debate club, Quiz club          | 1 <sup>st</sup> prize in Science Olympiad        | Best Student      | Diligent, confident, empathetic       | Sometimes tends to be overly competitive | Volunteer at a local NGO                                   |      |
| Sanya  | "Service before self"                                                   | Social service club, Drama club | 1 <sup>st</sup> prize in Debate competition      | Best Orator       | Compassionate, organized, responsible | Can be overly critical times             | Participated in a Model United Nations conference          |      |
| Rajat  | "Never give up, always rise up"                                         | Sports club, Music club         | 2 <sup>nd</sup> position in Chess competition    | Best Sportsperson | Perseverant, team player, adaptable   | Can sometimes be indecisive              | Plays in a local band                                      |      |
| Aryan  | "Success through hard work"                                             | Photography club, Science club  | 1 <sup>st</sup> prize in Photography competition | Budding Innovator | Creative, curious, detail-oriented    | Can sometimes procrastinate              | Built a working model of a wind turbine for a science fair |      |
| Ananya | "Strive for excellence"                                                 | Dance club, Art club            | 1 <sup>st</sup> prize in Art competition         | Creative Mind     | Confident, hardworking, imaginative   | Tends to overthink things                | Published her own poetry collection                        |      |

Total word limit ----- 168

**Sample Question Paper**  
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| <b>Answer the following questions, based on the table above.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| i                                                                | Identify the person who is likely to ask many "why" questions, and support your choice with one reason.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 |
| ii                                                               | Which house captain is most likely to struggle the most with handling stress during the school's annual inter-house sports tournament?<br><br>A. Rohit<br>B. Sanya<br>C. Rajat<br>D. Ananya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 |
| iii                                                              | Give two justifications for Sanya being the best fit to lead a school-wide initiative to promote mental health and well-being among students.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 |
| iv                                                               | Select the correct option to fill the blank and complete the analogy.<br><br>_____ : paint brush :: Rajat : tabla<br><br>A. Rohit<br>B. Sanya<br>C. Aryan<br>D. Ananya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 |
| v                                                                | Based on the personal qualities of the House Captains, why is Rajat the most likely to be a collaborative worker?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| vi                                                               | Complete the given sentence with the appropriate reason, with reference to the information in the table.<br><br><i>We can infer that Aryan's overall performance may be negatively impacted by his weakness in time management because _____.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| vii                                                              | Explain briefly why situation (b), from the three situations given below, showcases Ananya's motto, "Lead by example"?<br><br>(a) During a group project, Ananya assigns each team member specific tasks and sets a high standard for the project's quality. She tells them to actively participate in the project and take it to fruition.<br><br>(b) During a house debate competition, Ananya notices that a few of her house members are struggling to articulate their arguments effectively. Ananya takes the time to listen to their concerns and provides constructive feedback and support.<br><br>(c) During a fundraising event, Ananya volunteers to be in charge of organizing and coordinating the event but she frequently delegates tasks to others and attends to her school assignment while her team completes the task successfully. | 1 |

**Sample Question Paper**  
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|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| viii | <p>Select the option that correctly matches the House Captains (a) -(c), to the trophies (i)-(v).</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">             HOUSE CAPTAINS - (a) RAJAT (b) ANANYA (c) ARYAN           </div> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px auto;"> <div style="text-align: center;"> <br/> <b>(i)</b> </div> <div style="text-align: center;"> <br/> <b>(ii)</b> </div> <div style="text-align: center;"> <br/> <b>(iii)</b> </div> <div style="text-align: center;"> <br/> <b>(iv)</b> </div> <div style="text-align: center;"> <br/> <b>(v)</b> </div> </div> <p>A. (a) - (ii) , (b) - (i) , (c) - (iii)<br/>         B. (a) - (i) , (b) - (v) , (c) - (iv)<br/>         C. (a) - (v) , (b) - (iii) , (c) - (ii)<br/>         D. (a) - (iii) , (b) - (iv) , (c) - (i)</p> <p><u>FOR THE VISUALLY IMPAIRED CANDIDATES</u></p> <p>Identify the House Captain who fits the saying-<i>Being too hard on oneself</i>.</p> | 1 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|

**SECTION B : WRITING SKILLS (22 marks)**

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|--|-----|--|-----|------------------------------|-------|-------------------------|----------|--|--|--|
| 3                                                                                                                                                                                                                                                               | <p>As the school Head Girl, write an email, in about 50 words, to the Teacher Coordinator, Student Enrichment Activities of your school, informing her/him of the need to schedule transport for the participants of the inter-school dance competition, at the mandated venue. Include a reason why you would need a smaller vehicle instead of the school bus.</p> <p>You may copy the given template to write your email.</p> | 3 |       |  |     |  |     |                              |       |                         |          |  |  |  |
| <table><tr><td>from:</td><td></td></tr><tr><td>to:</td><td></td></tr><tr><td>Cc:</td><td>transportoffice@gkschool.com</td></tr><tr><td>date:</td><td>Sept 10, 2023, 07:03 PM</td></tr><tr><td>subject:</td><td></td></tr><tr><td colspan="2"></td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   | from: |  | to: |  | Cc: | transportoffice@gkschool.com | date: | Sept 10, 2023, 07:03 PM | subject: |  |  |  |
| from:                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| to:                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| Cc:                                                                                                                                                                                                                                                             | transportoffice@gkschool.com                                                                                                                                                                                                                                                                                                                                                                                                     |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| date:                                                                                                                                                                                                                                                           | Sept 10, 2023, 07:03 PM                                                                                                                                                                                                                                                                                                                                                                                                          |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| subject:                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| 4                                                                                                                                                                                                                                                               | Write a factual description, in not more than 100 words, of a potted plant that you and your sibling recently chose, to gift your parent.                                                                                                                                                                                                                                                                                        | 4 |       |  |     |  |     |                              |       |                         |          |  |  |  |
| 5 a                                                                                                                                                                                                                                                             | Write a letter to the librarian, City Library, in not more than 120 words, for purchase and addition of popular fiction and non-fiction titles in Braille and also the intake of audio books, to promote inclusion. You are an NGO employee, from the same city. You may use ideas from Unit 2: Education, along with your own ideas to write this letter.                                                                       | 7 |       |  |     |  |     |                              |       |                         |          |  |  |  |
| OR                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |       |  |     |  |     |                              |       |                         |          |  |  |  |
| 5 b                                                                                                                                                                                                                                                             | You are a sports scout*. Write a letter to the Governor of your region, drawing attention to the need for creating and upgrading sport facilities and following practices to enable the local / indigenous sporting talent from your city, to hone their skills. Include specific recommendations. Write the letter in not more than 120 words using ideas from Unit 1: Health and Medicine, along with your own.                |   |       |  |     |  |     |                              |       |                         |          |  |  |  |

**Sample Question Paper**  
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|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|            | * A person who uses their expertise and knowledge of the sport to identify potential talent and recruit individuals who can contribute to the team's success.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>6 a</b> | <p>Some people prefer solo travel, while others enjoy travelling in a group. As Hema Joseph of class X-C, write an article for your school magazine, in about 150 words, discussing the advantages and disadvantages of each preference and examining the factors that influence these choices.</p> <p>Use the given cues, along with your own ideas and those you may have gathered from Unit 5: Travel and Tourism, to create this article.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>*How can loneliness and safety concerns impact solo travel?</p> <p>*What are some factors that can make solo travel more expensive?</p> <p>*How does travelling alone allow for personal growth and discovery?</p> <p>*What are some advantages of being able to choose your itinerary and pace?</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>*How can conflicts and disagreements arise when travelling with others?</p> <p>*What are some factors that can limit independence and freedom when travelling with a group?</p> <p>*How does travelling with others provide opportunities to make friends?</p> <p>*What are some ways that group travel can be more cost-effective?</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>*How can personality type influence travel preferences?</p> <p>*How does budget impact travel choices?</p> <p>*What role does the destination play in determining travel preferences?</p> </div> | <b>8</b> |
| <b>OR</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>6 b</b> | <p>Space tourism, though in its early stages, is a reality. As Jagmeet Singh of class X-D, write an article for your school magazine, in about 150 words, discussing the opportunities and challenges of space tourism, the ethical considerations surrounding it and how it might impact society.</p> <p>Use the given cues, along with your own ideas and those you may have gathered from Unit 3: Science, to create this article.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Safety concerns and potential accidents in space tourism</p> <p style="padding-left: 40px;">Space debris and the need for responsible space traffic management</p> <p>Turning space into a commodity: the ethics of commercializing space</p> <p style="padding-left: 40px;">Ensuring equality and access to space tourism opportunities</p> <p>Promoting responsible and sustainable practices in space tourism</p> <p>Balancing economic opportunities with environmental and social responsibility</p> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

**SECTION C : GRAMMAR (10 marks)**

|                                                                                                                                                                                                                         |                                                                                    |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|
| <b>7</b>                                                                                                                                                                                                                | <b>Complete the tasks A-C , as directed.</b>                                       |          |
| <b>(A)</b>                                                                                                                                                                                                              | Fill the blanks (i) -(iii) with the appropriate option from those in the brackets. | <b>3</b> |
| Time travel <b>(i)</b> _____ ( ought to /should/ could) become a reality in the near future, <b>(ii)</b> _____ (allows/ allowed/ allowing) human beings to experience the thrill of travelling back or forward in time. |                                                                                    |          |

**Sample Question Paper**  
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However, (iii) \_\_\_\_\_ (most/ many/ much) challenges must be overcome, such as ensuring safety and affordability for all potential time-travellers.

**(B)** In the following paragraph, one word has been omitted in each line. In your answer sheets, remember to write the missing word **along with** the word that comes before and after it, as shown below. The first one has been done as an example. **4**

| No.  | Text                                           | Word before | Omission | Word after |
|------|------------------------------------------------|-------------|----------|------------|
| e.g. | Ever wondered sleep deficit? Well,             | wondered    | about    | sleep      |
| i    | sleep deficit a common problem among           |             |          |            |
|      | teenagers today, with many staying up late     |             |          |            |
| ii   | to use electronic devices. This lead to        |             |          |            |
| iii  | difficulty in concentrating, mood swings, even |             |          |            |
| iv   | It's important for teens to prioritize sleep   |             |          |            |
|      | to ensure their overall health and well-being. |             |          |            |

**(C) Do as directed.** **3**

i. Rearrange the following jumbled words/phrases in the given dialogue to create a meaningful sentence. **1**

Did you know that the lack of hydrological resources affects more than 40% of the world population?

No, I didn't. What are hydrological resources?

**(i)** WATER RESOURCES, / SURVIVAL / AND PLANT / TO HUMAN, / ANIMAL, / REFER TO / WHICH / ARE VITAL / HYDROLOGICAL RESOURCES

**ii. Report the dialogues to complete the paragraph that follows.** **1+1**

Photographer: I want to use a drone for photographing your event.

Customer: Really! Do you usually offer this advice?

Photographer: No. I don't. Your event is in an open and picturesque area and I want to capture the complete scene.

The photographer told the customer that she wanted to use a drone for photographing his event. The customer exclaimed in surprise and asked **(ii)** \_\_\_\_\_. The photographer replied in the negative and shared that **(iii)** \_\_\_\_\_ as his event was in an open and picturesque area.

**SECTION D : LITERATURE TEXTBOOK (26 marks)**

**8** Read the given excerpts and answer the questions briefly, for **ANY TWO** excerpts, of the three, given. **4+4=8**

**Sample Question Paper**  
**Communicative English**  
**2023-24**  
**Class - X**

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| (A) | But must I confess how I liked him,<br>How glad I was he had come like a guest in quiet, to drink<br>at my water-trough<br>And depart peaceful, pacified, and thankless,<br>Into the burning bowels of this earth?<br><br>( <i>The Snake</i> )                                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| i   | What can be inferred about the speaker's attitude towards nature based on the excerpt?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1      |
| ii  | List the meaning of the phrase "burning bowels of this earth".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1      |
| iii | How is the snake's arrival and departure symbolic?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1      |
| iv  | The speaker compares the snake to the guest. Which word in the extract displays the snake's non-guest like behaviour?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1      |
| (B) | ANTONY: If you have tears, prepare to shed them now.<br>You all do know this mantle : I remember<br>The first time ever Caesar put it on;<br>'Twas on a summer's evening, in his tent,<br>That day he overcame the Nervii :<br>Look, in this place ran Cassius' dagger through:<br>See what a rent the envious Casca made:<br>Through this the well-beloved Brutus stabb'd;<br>And as he pluck'd his cursed steel away,<br><br>( <i>Julius Caesar</i> )                                                                                                                                                                                                          |        |
| i   | How does Antony use visual imagery to make his point about the assassination of Caesar?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1      |
| ii  | What is the significance of the mantle that Antony refers to, in his speech?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1      |
| iii | Identify the tone of Antony's statement when he says, "If you have tears, prepare to shed them now".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1      |
| iv  | What does Antony's reference to the Nervii suggest about Caesar's military prowess?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1      |
| (C) | "Well," I said, "we're leaving on Monday. Is there anything I can do for you before we go?"<br>Nicola shook his head, but suddenly Jacopo said, "Sir," he burst out, "every Sunday we make a visit to the country, to Poleta, 30 kilometres from here. Usually we hire bicycles. But tomorrow, since you are so kind, you might send us in your car."<br>I had already told Luigi he might have the Sunday off. However, I answered, "I'll drive you out myself."<br>There was a pause. Nicola was glaring at his young brother in vexation. "We could not think of troubling you, sir."<br>"It won't be any trouble."<br><br>( <i>Two Gentlemen of Verona</i> ) |        |
| i   | Identify the phrase that indicates that the visit to Poleta on Sundays is significant as a routine or tradition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1      |
| ii  | What does the narrator's offer to drive the brothers to Poleta reveal about his character?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1      |
| iii | Why was there a pause after the narrator's offer?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1      |
| iv  | State one reason why Jacopo might have wanted a car ride despite the choice of hired bicycles?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1      |
| 9   | Answer <b>ANY FIVE</b> of the following six questions in about 30- 40 words each                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5x2=10 |
| i   | How effective is the use of the phrase "Nothing beside remains", in conveying the theme of the transience and impermanence of power and human achievement, in <i>Ozymandias</i> by P.B.Shelley?                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2      |
| ii  | What does the writer wish to convey via the use of the metaphor for a false friend in the given line from <i>The Letter</i> ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2      |

**Sample Question Paper**  
**Communicative English**  
**2023-24**  
**Class - X**

|           |                                                                                                                                                                                                                                                                                                                                                                                                               |   |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|           | ...the cold used sleep to extend its sway over all things even as a false friend lulls his chosen victim with caressing smiles.                                                                                                                                                                                                                                                                               |   |
| iii       | Comment on Elsie Brown's writing style in the story, <i>The Shady Plot</i> .                                                                                                                                                                                                                                                                                                                                  | 2 |
| iv        | In <i>Patol Babu, Film Star</i> , how is Patol Babu's character a commentary on the struggling actors in the film industry?                                                                                                                                                                                                                                                                                   | 2 |
| v         | In the story, <i>Virtually True</i> , Michael said, "That's what I like about computers. The more futuristic they get, the better you can understand the past." Explain what he meant.                                                                                                                                                                                                                        | 2 |
| vi        | What is Stanley Houghton's primary purpose in employing irony in the play ' <i>The Dear Departed</i> '?                                                                                                                                                                                                                                                                                                       | 2 |
| <b>10</b> | Answer <b>ANY ONE</b> of the following two questions in about 150 words.                                                                                                                                                                                                                                                                                                                                      | 8 |
| (A)       | Even though both, the frog from Vikram Seth's poem, <i>The Frog and the Nightingale</i> and Abel's children from the play, <i>The Dear Departed</i> , display greed, there are differences. Elaborate, in about 150 words, how the greed of the frog and that of Abel's children differ in motivation, actions, relationship, and consequences.                                                               |   |
| <b>OR</b> |                                                                                                                                                                                                                                                                                                                                                                                                               |   |
| (B)       | Imagine that the mariner hears of Mrs. Packletide's hunt and decides to share some advice with her, about the impact of wilfully killing creatures. As the mariner, write this letter, in about 150 words, to Mrs. Packletide, based on the consequences following your own experience of having killed a creature intentionally.<br>( <i>Rime of the Ancient Mariner</i> and <i>Mrs Packletide's Tiger</i> ) |   |