DELHI PUBLIC SCHOOL GAYA

(Under the aegis of the Delhi Public School Society, New Delhi)

Affiliated to C.B.S.E, New Delhi Affiliation No.330530, School Code – 65572

SUMMER VACATION ASSIGNMENT CLASS-VII (SESSION: 2025-26)

Your Summer Vacation assignment has some very interesting tasks that will make your learning session fun and engaging. So, let's start!

ENGLISH

Read the chapter "The Penguins" by R. M. Ballantyne from your textbook and answer the following questions:

1. Why do you think the explorers called the penguins "soldiers"? What might that say about how they moved or acted?

2. Do penguins seem like good parents to you? Why or why not? Use examples from the story.

3. Imagine you were one of the explorers. What would you have done when you saw the penguin colony for the first time?

Creative Writing [2x10=20 Marks]

Important Note: The creative writing pieces from this section will be considered for the Inter-House Creative Writing Event scheduled for June. Your best work may represent your house in the competition!

General Instructions:

•   Originality is key: All submissions must be entirely your own work. Plagiarism—copying from books, websites, or any other sources—will lead to disqualification and zero marks. We value your individual creativity and voice.

•   **Presentation format:**

    *   Use A4 sheets only.

    *   Write neatly in clear, legible handwriting.

    *   Each page must include your name, class, and section.

    *   Mention the word count at the end of every piece.

•   **Creative Portfolio:**

    *   Design a hardcover folder titled "PORTFOLIO."

    *   Begin with a self-introduction page (brief write-up about yourself).

* File all your best language-based work from the holiday assignment inside this portfolio.

* Arrange your A4 sheets neatly and creatively within it.

• **Evaluation Criteria: Originality, imagination, clarity of expression, language use, and overall presentation will be key to your assessment.**

Let your words reflect your thoughts. Let your presentation reflect your passion. Your portfolio is your creative fingerprint—make it count!

1. Write a poem in 54 words on any one of the following topics:

   (a) A Song for Mother Earth

   (b) When Wi-Fi Disappears

2. Write a short story in 74 words on any one of the following topics:

   (a) School on Mars

   (b) My Favourite Summer Destination

हिन्दी

1. तत्सम, तद्भव, देशज और विदेशज शब्दों के दस–दस उदाहरण चार्ट पेपर पर लिखिए।
2. प्रदूषण के विभिन्न प्रकारों पर मॉडल तैयार कीजिए।
3. लू लगने पर क्या प्राथमिक चिकित्सा दी जा सकती है? अपने अभिभावक की सहायता से पूछकर लगभग 100 शब्दों में लिखिए।
4. देश–विदेश के विभिन्न पोस्टकार्डों एवं स्टैंप को इकट्ठा कर एक एल्बम तैयार कीजिए।
5. एक चार्ट तैयार कीजिए जिसमें कारक के भेदों एवं उनके परसर्गों को वृक्ष के द्वारा दर्शाया गया हो।

SANSKRIT

1. पठ्, गम्, लिख्, हस्, चल्, धाव् (लट्, लृट्, लंग) तीनों लकारों के धातुरूपों को परियोजना उत्तर-पुस्तिका (Assignment Copy) में लिखें ।

MATHEMATICS

1. The sum of two integers is – 6 . If one of them is 2 then the other is
   (a) -4　　　　　　　　　　(b) 4
   (c) 8　　　　　　　　　　(d) -8

2. Evaluate (-25) × 8 + (-25) × 2 = ?
   (a) 250　　　　　　　　　(b) 150
   (c) -250　　　　　　　　(d) -150

Dubhal, Chand Chaura, Gaya, Bihar - 823001
Email: info@dpsgaya.com |Website: www.dpsgaya.com |Mobile No.: +91 8521092596

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3. Which of the following is correct?

(a) $\frac{2}{3} < \frac{3}{5} < \frac{11}{15}$

(b) $\frac{3}{5} < \frac{2}{3} < \frac{11}{15}$

(c) $\frac{11}{15} < \frac{3}{5} < \frac{2}{3}$

(d) $\frac{3}{5} < \frac{11}{15} < \frac{2}{3}$

4. Which is smaller between $-\frac{5}{6}$ and $-\frac{7}{12}$?

(a) $-\frac{5}{6}$

(b) $-\frac{7}{12}$

(c) both are equal

(d) cannot be compared

5. List five rational number between $\frac{4}{5}$ and $\frac{5}{7}$.

6. By what number should $1\frac{3}{4}$ be divided to get $1\frac{1}{2}$?

7. The total weight of some bags of wheat is 1743 kg . If each bag weights 49.8 Kg, how many bags are there?

8. A bus can cover 64.5 Km in an hour. How much distance can it cover in 18 hours?

9. By what number should -240 be divided to obtain 16?

10. Each side of a polygon is 3.8 cm in length and its perimeter is 22.8 cm. How many sides does the polygon have?

11. Evaluate:-

(a) $45 [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$

(b) $22 - \frac{1}{4}\{ -5 - (-48) \div (-16)\}$

12. Simplify:

(a) $\left(\frac{13}{8} \times \frac{12}{13}\right) + \left(\frac{-4}{9} \times \frac{3}{-2}\right)$

(b) $\left(\frac{6}{55} \times \frac{-22}{9}\right) - \left(\frac{26}{125} \times \frac{-10}{39}\right)$

13. Represent the following on the number line.

(a) $\frac{4}{5}$

(b) $\frac{-3}{8}$

(c) $\frac{9}{4}$

(d) $-\frac{19}{4}$

(e) $5\frac{2}{7}$

14. How many pieces each of length $3\frac{3}{4}$ m can be cut from a rope of length 45 m?

15. Each sides of a square is $6\frac{2}{3}$ m long. Find its area?

ACTIVITY:

Objective:

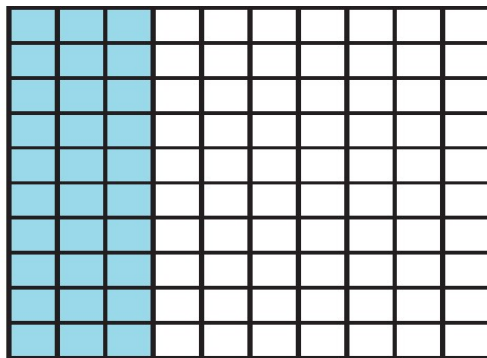To represent the product of the following decimals on grid paper.

Material required:

(a) Six grid papers
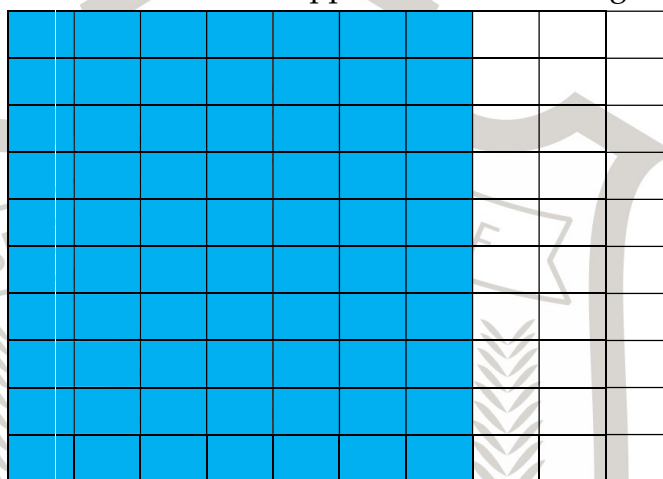
(b) Two sketch pens of different colours

Procedure :

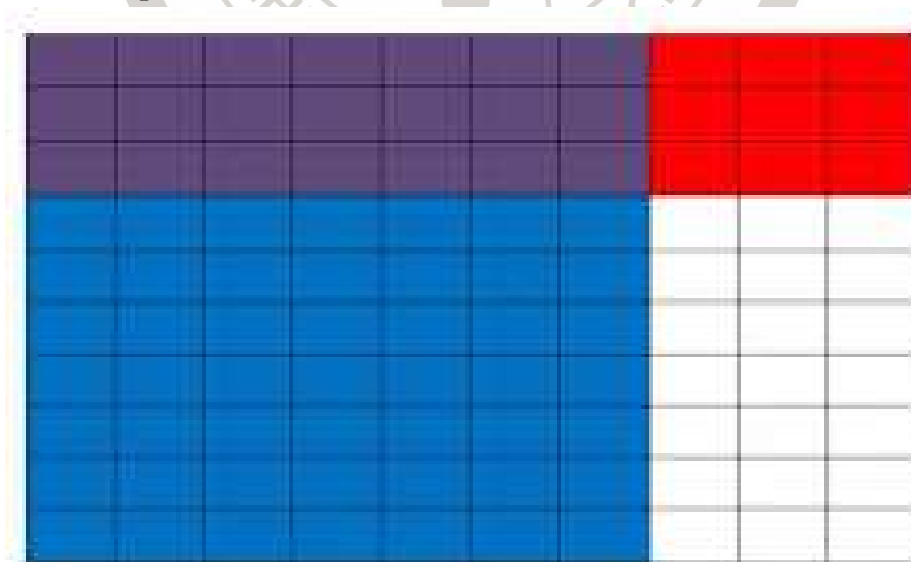(a) Take the grid paper and cut into 10 × 10 grids from each of them

(b) Take one 10 × 10 grid and shade three columns using the red sketch pen. The shaded area of the grid represents the decimal number 0.3 and appear as shown in fig.

1. Take another 10 × 10 grid and shade seven rows using the blue sketch pen. The shaded area of the grid represents the decimal number 0.7 and appears as shown in fig.
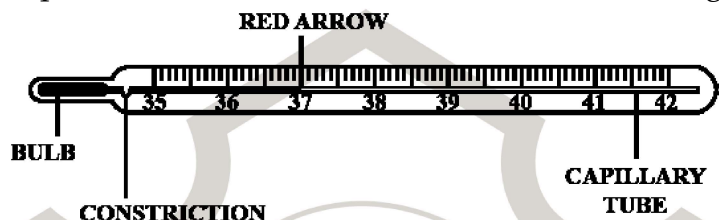

2. Now take another 10 × 10 grid shade three columns with red sketch pen and seven rows with the blue pen. The grid appears as shown in fig. The common shaded region in the grid represents 0.12 i.e. the product of 0.3 and 0.7.

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SCIENCE

1. Collect at least four colourful leaves (other than green). Keep them inside the newspapers for 2 weeks. Paste these dried leaves in your practical notebook. Can these leaves perform photosynthesis? Give reason for your answer.

2. Draw a diagram of Amoeba and label the parts: nucleus, food vacuole and pseudopodia.

3. Observe the given picture and answer the following questions-
   (a) Identify the type of thermometer.
   (b) Can it be used to measure the temperature of boiling water? Justify your answer.
   (c) State any two precautions that should be followed while using it.

4. With the help of colourful clay make a model (2D/3D) of human tooth and show its various parts.

5. Jaanvi returned from school and found that grandmother was scolding her maid, Rani as she did not come yesterday. The maid said that his son was passing watery stools frequently that is why she did not come. Jaanvi's mother who was listening to the discussion came to them and told Rani not to come for next 3-4 days. She also suggested her to give his son a solution of sugar and salt in clean water, many times a day for fast recovery. Jaanvi was surprised. She rushed to her mother and asked the scientific reason for it. Her mother smiled and explained her the importance of this solution.
   (a) Name the term used to describe the condition in which a person passes out watery stools.
   (b) Name the solution of sugar and salt in water. Also write its full form.
   (c) Why is it given to a person suffering from such condition?

SOCIAL SCIENCE

1. Imagine you are a king or queen from medieval India. Write a one-page royal announcement describing:
   • How you plan to expand your kingdom
   • What you will do to improve people's lives
   • How you will protect your territory
   (You may also draw your kingdom's flag or a simple map!)

2. Identify three environmental problems in your school or neighborhood and suggest creative and practical solutions for each.
   • Present your findings on a poster.

3. Prepare a chart showing the three types of rocks.
    •   State their characteristics.
    •   Paste pictures of at least three igneous, sedimentary, and metamorphic rocks.
4. Do you think it's fair that some people get better health care facilities than others?
    •   Write your views in 10 sentences.

5. The Peacock Throne was the most celebrated artwork of the Mughals.
    •   Describe the Peacock Throne.
    •   Add a picture of it in your notebook.

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Instructions:
*   *Use neat handwriting or type the assignment.*
*   *Draw or print screenshots of HTML output (optional but appreciated).*
*   *Submit the assignment in a file or notebook.*

Part A: Number System

1. Fill in the blanks
    (a) The binary number system is also called the _____ number system.
    (b) The decimal number system is based on _____ digits.
    (c) The hexadecimal number system has a base of _____.
    (d) The digits used in the octal number system are from _____ to _____.
    (e) Binary addition is similar to _____ addition.

2. Match the columns:

A	B
Binary	Base 8
Octal	Base 2
Decimal	Base 16
Hexadecimal	Base 10

3. Convert the following:
    (a) Binary to Decimal: 1011 = _____
    (b) Decimal to Binary: 27 = _____
    (c) Octal to Decimal: 45 = _____
    (d) Hexadecimal to Decimal: 1F = _____
    (e) Decimal to Binary: 19 = _____
4. Binary Arithmetic
    (a) 1010 + 1101 = _____
    (b) 1111 - 1011 = _____

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Email: info@dpsgaya.com |Website: www.dpsgaya.com |Mobile No.: +91 8521092596

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Part B: HTML

1.   Define the following with one example each:
   (a)   Ordered List
   (b)   Unordered List
   (c)   Description List

2.   Create a nested list for the following :
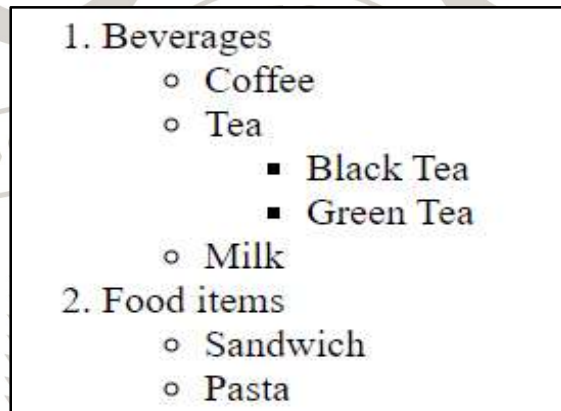   (a)   Fruits
      o   Citrus: Orange, Lemon
      o   Berries: Strawberry, Blueberry
   Write the correct HTML code.

3.   Answer in brief
   (a)   What is the purpose of using tables in HTML?
   (b)   What tag is used to create an ordered list?
   (c)   What is the difference between an unordered list and a description list?

4.   Create a web page for the following output-

```
1. Beverages
      o Coffee
      o Tea
            ▪ Black Tea
            ▪ Green Tea
      o Milk
2. Food items
      o Sandwich
      o Pasta
```

5.   Write the output for the following HTML Code-
```
<!DOCTYPE html>
<html>
<head>
<title>List Example</title>
</head>
<body>
<ul type="circle">
<li> Fruits List
<ol>
<li>Apple</li>
<li>Banana</li>
<li>Orange</li>
</ol>

<li>Vegetables List
```

```
<ul>
<li>Carrot</li>
<li>Tomato</li>
<li>Spinach</li>
</ul>
</ul>
</body>
</html>
```

GERMAN

Task 1: Mein Traumhaus (My Dream House

Draw or paste a picture of your dream house.

Label at least 5 rooms and 5 pieces of furniture in German (e.g., das Wohnzimmer, das Bett).

Write 3–5 sentences about your dream house.

Task 2:

Mein Lieblingsessen (My Favorite Food) Draw or paste pictures of your 3 favorite food items.

Write their names in German and describe each in one sentence.

ART & CRAFT

As part of the Summer Vacation Homework, each student is required to prepare:
- 2 Paintings
- 1 Craft Item

These items will be showcased during the Art Exhibition 2025.

Guidelines:

Paintings:
- Must be done on A3 or A4 size sheets only.
- Medium: Any colour medium is allowed (e.g., watercolours, poster colours, oil pastels, pencil shading, etc.).

Craft Item:
- Can be of any size.
- Must be strictly art-related (e.g., Paper Mache, Clay Modelling, Best out of Waste, etc.).

Note: Models or projects prepared for other academic subjects will not be accepted.

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