



# DELHI PUBLIC SCHOOL SAIL TOWNSHIP, RANCHI

## ASSIGNMENT

CLASS - VIII (2024-25)

### ENGLISH

1. What kind of place is Innisfree? Think about:
  - (i) The three things the poet wants to do when he goes back there .( Stanza 1)
  - (ii) What he hears and sees there and its effect on him. ( Stanza II )
  - (iii) What he hears in his 'heart's core" even when he is far away from Innisfree ? ( Stanza III )
2. Was Ranji's new bat really wonderful and magical ?
3. You are Sandeepan Bose, Secretary of the Mountaineering Club of Modern School Agra, Your school has decided to organise a trek to Kulu -Manali . Write a notice for your school board in not more than 50 words.
4. Underline the phrases in the following sentences and state its kind.
  - (i) The paths of glory lead but to the grave.
  - (ii) I like visiting historical monuments.
  - (iii) No such luxuries were known in those days.

### MATHEMATICS

Q1.Using suitable rearrangement find the sum:

$$-5 + \frac{7}{10} + \frac{3}{7} + (-3) + \frac{5}{14} + \frac{-4}{5}$$

Q2. Find the sum of additive inverse and multiplicative inverse of 7.

Q3. Find the product of additive inverse and multiplicative inverse of  $\frac{-1}{3}$ .

Q4. On a winter day the temperature at a place in Himachal Pradesh was  $-16^{\circ}\text{C}$ . Convert it in degree Fahrenheit ( $^{\circ}\text{F}$ ) by using the formula.  $\frac{c}{5} = \frac{F-32}{9}$ .

Q5. Find two rational numbers whose absolute value is  $\frac{1}{5}$ .

Q6. Find the square root of 441 by Repeated subtraction method.

Q7. Find the square root of 5625 by prime factorisation method

Q8. Find the smallest number by which 2028 must be multiplied so that the product is a perfect square. Also ,find the square root of the new number.

Q9. Find the length of each side of square, having an area of 1296 sqcm.

Q10. Find the square root of 9603801 by division method

Q11. Find the smallest 6-digit number which is a perfect square.

Q12. Find the greatest 5-digit number which is a perfect square.

Q13. The area of a square field is 100 square metres more than the area of a rectangle whose dimensions are 48metres and 12 metres. Find the perimeter of the square field.

Q14. The area of a square field is 1476225 sq m. A motorist travels along its boundary at 36 km/hr. In how much time ,will he return to the starting point?

Q15. (a)The hypotenuse of a right -angled triangle is 5cm and the other two sides differ by 1cm. Find the length of the sides of the triangle.

(b) Three numbers are in the ratio 1:2:3 .The sum of their cubes is 62208. find the numbers

Q16. Dhairyaveer makes a cuboid of plasticine of sides 15cm,30cm,15cm. How many such cuboids will be needed to form a cube?

Q17. Write the cubes of five natural numbers which are multiples of 3 and verify the following; The cube of a natural number which is a multiple of 3, is a multiple of 27.

Q18 What is the least natural number by which 1080 must be multiplied so that the product is a perfect cube.

Q19. Evaluate: (a)  $(\sqrt{10^2 + 24^2})^3$  (b)  $(\sqrt{12^2 + 35^2})^3$

Q20. The number 153 has an interesting property that it is equal to the sum of the cubes of its digits.  $153 = 1^3 + 5^3 + 3^3$ , 370 is another such number. Can you find one more such number?

## PHYSICS

### I. Short Answer Type Questions.

1. Calculate the pressure when a Thrust of 360 N is exerted on an area of :  
(a) 6 m<sup>2</sup> (b) 4 m<sup>2</sup>. What Thrust acting on an area of 0.7 m<sup>2</sup> will produce a pressure of 210 Pa?
2. Why does a sharp knife cut objects more effectively than a blunt knife?
3. Why are iron rails of railway track fixed over wide wooden or concrete sleepers?

### II. Long Answer Type Questions

1. Write the effects of force with one example each.
2. (a) How does the pressure of a liquid depend on its depth? Draw a labelled diagram to show that the pressure of a liquid(say, water) depends on its depth.  
(b) Explain why the walls of a dam are thicker near the bottom than at the top.

## CHEMISTRY

1. Define cation and give an example.
2. What is an anion?
3. Why metals are called electropositive elements?
4. Draw a labelled diagram of the structure of an atom .
5. Define reactivity series.
6. Why copper turns green when exposed to moist air?
7. Why non metals are electronegative in nature?
8. What is Aqua regia?
9. Define an alloy.
10. What is an amalgam?

## BIOLOGY

1. The government stores excess crops in granaries and silos for export or for use during emergency conditions. This is called buffer stock.  
The agency which oversees the maintenance of the buffer stock is Food Corporation of India. [FCI]
  - a. Research about the formation and functioning of FCI and prepare a short report in 150 words.
  - b. What do you understand about ' Food Security'? Explain.
2. What is the meaning of sustainable agriculture? Mention some sustainable agricultural practices. How are they useful ?

## HISTORY / CIVICS

1. Mention the Articles of our constitution related to the fundamental right to equality.
2. Write the Preamble of our Constitution.
3. The term Modern is not suitable for the British Rule in India? Throw light on this statement.
4. Why did the East India Company come to India?
5. What do you mean by the term "Federalism"?

## GEOGRAPHY

1. How can a substance or material become a resource?
2. Differentiate between Renewable resources and Non-renewable resources.
3. What are the factors of a person that relate to maintenance and preservation of the life support system provided by nature?
4. Define the term sustainable development.

## हिन्दी

निम्नलिखित प्रश्नों के उत्तर दें –

- 1 किन्हीं पाँच कुटीर उद्योग के नाम लिखें ।
- 2 बस की यात्रा और रेल की यात्रा में कौन सुखद है और क्यों ?
- 3 अनुस्वार और अनुनासिक का प्रयोग करते हुए चार-चार शब्द लिखें ।
- 4 मूल स्वर कौन – कौन हैं?

5 निम्नलिखित भाषाओं की लिपि बताएँ –

मराठी , बंगाली

6 नेहरू जी ने अपना सहचर किसे कहा है?

7 'भारत की खोज' किसकी रचना है?

### संस्कृत

1 अधोलिखितं पद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत –

साहित्यसंगीत कलाविहिनः

साक्षात्पशुः पुच्छविषाणहीनः ।

तृणं न खादन्नपि जीवमानः,

तद्भागधेयं परमं पशुनाम् ।।

i) एकपदेन उत्तरत –

क) किम् न खादन्नति जीवमानः?

ख) केषाम् परमं भाग्यम् अस्ति?

ii) एकवाक्येन उत्तरत –

क साक्षात्पशुः कः अस्ति?

ख कलारहितः इति पदस्य कः अन्यः पर्यायः अत्र प्रयुक्तः?

iii) उचितं विकल्पं चिनुतः –

क तृणं अत्र किम् लिंगं प्रयुक्तम्?

i) पुल्लिङ्गं      ii) स्त्रीलिङ्गं      iii) नपुंसकलिङ्गं      iv) न कोऽपि

2 शब्दरूपाणि लिखत –

किम् (पुं०) – (प्रथमा – सप्तमी)

3 धातुरूपाणि लिखत –

i) दृश – लोट् लकार

ii) दृश – विधिलिङ्गं लकार

### COMPUTER

I. Type the following *Question and Answers* in Ms Word based on Artificial Intelligence.

Q1. Give some examples of Computer Vision.

Q2. . Give some examples of Natural Language Processing.

Q3. Write the Application of Artificial Intelligence.

Q4. A driver less car uses different domains of AI. Explain How?

Q5. Give examples of automation and AI machine.

II. Rock; Paper; Scissor ,Mystery animals, Emoji Scavenger hunt , Mario are few AI based games.

Play these games and identify the domains of AI used in these games.

### GERMAN

1. **Leseherausforderung:** Setzen Sie sich das Ziel, eine bestimmte Anzahl von Seiten oder Kapiteln aus einem deutschen Buch oder Roman über den Sommer zu lesen. Halten Sie ein Lesejournal, um Ihren Fortschritt zu verfolgen und Notizen zu machen.

2. **Kreatives Schreiben:** Schreiben Sie eine Kurzgeschichte oder einen Aufsatz auf Deutsch über ein Thema Ihrer Wahl. Nutzen Sie Ihre Kreativität und setzen Sie die Sprachkenntnisse, die Sie bisher erworben haben, ein, um eine interessante Geschichte zu erzählen.

### SPANISH

1. Escribe un pequeño párrafo sobre tu libro favorito y de qué se trata el libro.

2. Escribe un cuento o una leyenda corta de India.

3. Escribe cinco acciones habituales en tu infancia

4. Escribe una ficha sobre tu libro favorito.

5. Escribe conjugaciones en pretérito imperfecto de los verbos Estudiar, aprender, escribir, ser e ir

## JAPANESE

1. Draw the following Kanji and write their meaning.

- 1) 人    2) 木    3) 火    4) 川    5) 目    6) 山    7) 月  
8) 水    9) 行く    10) 犬    11) 八    12) 口    13) 金    14) 土  
15) 四    16) 来る    17) 早く    18) 見る    19) 分かる    20) 上  
21) 下    22) 中    23) 五    24) 九

2. Write the meaning of the following Katakana words in English.

- 1) キーボード    2) ノート    3) スペースキー    4) ページ

3. Complete the following verb conjugation table.

Dictionary Form	~masu form	~ta form(Polite)	~ta form(Plain)
たべる	たべます	たべました	たべた
ねる			
かく			
おしえる			
よむ			
かう			
はなす			
くる			
かす			
かえる			
でんわをする			
てつだう			
する			

4. Make Japanese sentences with the following verb.

- 1) 見る    2) きる    3) のる    4) たべる    5) つく

5. Write a short essay about your country in Japanese.

Class – 8  
ASSIGNMENT  
FRENCH

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Q. 1. Lis le texte suivant et réponds aux questions.

Les modèles de voitures Citroën

Vers les années 1920, la toute première qui est créée par André Citroën, est la Citroën Type A. C'est la première voiture construite en série. Cette voiture Citroën est très vite reconnue et est très appréciée par la clientèle. Ensuite, on est amélioré la voiture déjà existante. Un autre modèle naquit alors. Il s'agit de la 5 CV type C. A bord de ce véhicule, on peut compter deux à trois places. Plusieurs autres modèles dans la même catégorie sont construits et ne cesse pas de satisfaire la clientèle. La fameuse Traction Avant fait de Citroën le constructeur le plus célèbre. Ce véhicule est très sophistiqué qui donne la luxure mais aussi le confort. C'est un modèle de classe. Et pour cette raison, la Traction Avant est plus chère que les autres modèles qui existent.

a. Dis vrai ou faux.

1. La 5 CV, c'est la première voiture Citroën.
2. André Citroën donne son nom à cette voiture.
3. Tous les gens peuvent acheter la Traction Avant.
4. Les modèles de Citroën satisfont la clientèle.

b. Complète avec un mot du texte.

1. Le \_\_\_\_\_ de ma voiture est ancien. (catégorie / modèle)
2. Pour la classe riche, la \_\_\_\_\_ est la plus importante. (luxure / confort)
3. Cette maison est \_\_\_\_\_ par mon voisin. (cesse / construite)
4. Son travail est \_\_\_\_\_. (vite / apprécié)

Q. 2. Répondez.

- a. Qu'est-ce que la Marseillaise ? Qui l'a composée ?
- b. Que symbolise le coq ?
- c. De quelle couleur est le drapeau français ?
- d. Quelle est la devise de la France ?
- e. Que représente Marianne ?
- f. Quand fête-t-on la fête nationale de la France ?

Q. 3. Nommez.

- a. La ville connue pour les vignobles : .....
- b. La ville connue pour le festival du film : .....
- c. Cette ville est un port : .....
- d. Cette ville est le siège du parlement européen : .....
- e. Cette ville est connue pour son industrie aéronautique : .....
- f. Cette ville est connue pour son industrie de soie : .....

Q. 4. Complétez avec les conjonctions.

- a. Le frère ..... la soeur sont en vacances.
  - b. Ils sont heureux ..... leurs parents leur manquent.
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