



# DELHI PUBLIC SCHOOL VISAKHAPATNAM ASSIGNMENT



October- November 2024-25

Class: IX

Date of Submission: on or before 7.12.2024

### Subject: ENGLISH

I. Read the passage 'The Miraculous Escape' given in page no. 67 to 69 Of your book 'Words and Expression' and answer the following question.

- i) Why did the protagonist decide to go on a voyage despite living a comfortable life?
- ii) What challenges did the protagonist and his companions face after reaching the island?
- iii) What was the protagonist's emotional state during his escape?
- iv) Reflect on the title, 'The Miraculous Escape'. Do you think it accurately represents the story? Why or why not?
- v) Do the following crossword with the hints given below:

Down: 1. (4 letters) A structure built with wood and bushes to defend against the serpent.

2. (6 letters) To travel or explore, as the protagonist did with his ship.

3. (7 letters) The type of life the protagonist initially led.

4. (10 letters) Describes the protagonist's last-minute rescue from danger.

5. (7 letters) How the serpent moved around the tree to catch its prey.

Across: 1. (4 letters) The protagonist's way of protecting himself from the python at night.

2. ( 7 letters) The huge snake.

3. (9 letters) Strong natural disaster encountered by the ship.

4. (5 letters) The protagonist felt this instinct when he thought about his safety.

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**II.** Write correct spellings of the given incorrect words and make sentences using the same.

- i) Accomodate; ii) Commitee; iii) Embarass; iv) Ecstasy; v) Harrass;
- vi) Irresistable; vii) Liason; viii) Arguement; ix) Ocassion; x) Occured

**III.** Write meanings and make sentences of the following sets of words.

- a) i) Principal; ii) Principle.
- b) i) Immigrate; ii) Emigrate
- c) i) Desert; ii) Dessert.
- d) i) Good; ii) Well
- e) i) Climactic; ii) Climatic

**IV.** You are Aman/Aditi studying in Delhi Public School, Visakhapatnam. The road leading to your school is very congested and full of potholes. Students and parents are often caught in a traffic jam. In spite of several representations, the government has not done anything to improve the condition of the road. Rewrite the letter given below to the Editor of The Times of India, filling the blanks. Use the hints given in box.

**Answer:**

The Times of India, newspaper, Delhi Public School Visakhapatnam, Aman/Aditi, Traffic congestion, rectify, 18, Visakhapatnam, Yours Truly, school, traffic, authorities,

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 -- November, 2024  
 The Editor  
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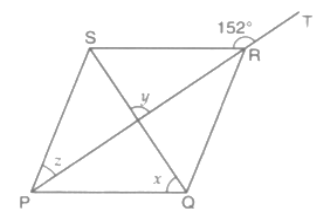
Sir  
 Sub: -----

Through the columns of your -----, I would like to draw the attention of the concerned ----- to the appalling condition of the road leading upto Delhi Public School Visakhapatnam. The entire stretch is narrow, congested and covered with numerous potholes. This often causes a ----- jam and inconvenience to students and staff of the school. A lot of time is wasted both in the morning and afternoon when the school buses have to leave. The ----- has filed several complaints to the local authorities but they seem to have fallen on deaf ears. The situation worsens when it rains. It can also become dangerous threat to pedestrians. On behalf of the school students, I request the authorities to take immediate action to ----- this condition. The improvement in the condition of the road will ease traffic congestion and ensure the safety of the citizens.

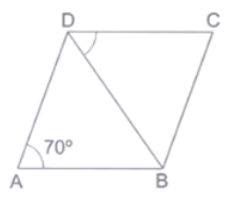
**Subject: MATHEMATICS**

1. Prove that any line segment drawn p from the vertex of a triangle to the base is bisected by the line segment joining the midpoints of the other sides of the triangle.

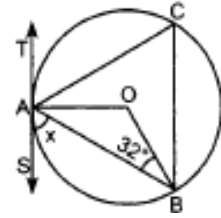
2. In Figure, PQRS is a rhombus in which the diagonal PR is produced to T. If  $\angle SRT = 152^\circ$ , find x, y and z.



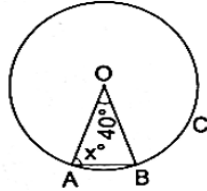
3. In the adjoining figure, ABCD is a rhombus. If  $\angle A = 70^\circ$ , find  $\angle CDB$ .



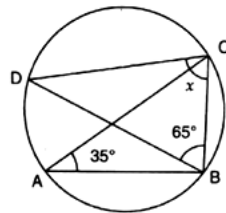
4. In the given figure, TAS is a tangent to the circle, with centre O, at the point A. If  $\angle OBA = 32^\circ$ , find the value of x.



5. If O is the centre of the circle, find the value of x in given figure:



6. If O is the centre of the circle, find the x in below figure:



7. The following data gives the production of food grains (in thousand tonnes) for some years:

Year	1995	1996	1997	1998	1999	2000
Production (in thousand tonnes)	120	150	140	180	170	190

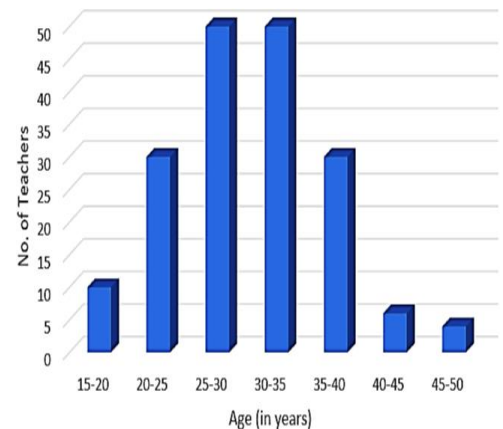
Represent the above data with the help of a bar graph.

8. **Read the following text carefully and answer the questions that follow:**

A teacher is a person whose professional activity involves planning, organizing, and conducting group activities to develop student's knowledge, skills, and attitudes as stipulated by educational programs. Teachers may work with students as a whole class, in small groups or one - to - one, inside or outside regular classrooms. In this indicator, teachers are compared by their average age and work experience measured in years.

For the same in 2015, the following distribution of ages (in years) of primary school teachers in a district was collected to evaluate the teacher on the above - mentioned criterion.

1. What is the total no of teachers? (1)
  2. Find the class mark of class 15 - 20, 25 - 30 and 45 - 50? (1)
  3. What is the no of teachers of age range 25 - 40 years? (2)
- OR
9. Which classes are having same no. of teachers? (2)



### **Subject: PHYSICS**

1. Define Pressure and give its SI units.
2. Why is it easier to cut the vegetables with a sharp knife?
3. What is Archimedes Principle? Give its applications.
4. When does an object float and sink? What is buoyancy?
5. A coolie is walking on a railway platform with a load of 30 kg on his head. How much work is done by the coolie?
6. On pushing a mighty stone, a child is unable to move it. If work done is zero, where is the energy he expends, lost?
7. If the heart works 60 joules in one minute. What is its power?
8. At what speed a body of mass 1 kg will have a kinetic energy of 1J?
9. Two balls of masses  $m$  each are raised to height  $h$  and  $2h$  respectively. What will be the ratio of their potential energies?

### **Subject: CHEMISTRY**

1. Write the postulates of Dalton's atomic theory?
2. Write the molecular formulae of the following.
  - a. Sodium oxide
  - b. Ammonium hydroxide
  - c. Silver nitrate
  - d. Aluminium phosphate
  - e. Magnesium Sulphate
  - f. Ferric chloride.
3. Calculate the molecular mass of the following:
  - a.  $H_2SO_4$
  - b.  $CO_2$
  - c.  $MgCl_2$
4. What are poly atomic ions? Give two examples of it.
5. Define atomic mass unit.
6. State the law of constant proportions.

### **Subject: BIOLOGY**

1. Why is organic matter important for crop production?
2. What are the major groups of activities for improving crop yields?
3. Differentiate between manure and fertilisers?
4. If there is low rainfall in a village through out the year, what measure will you suggest to farmers for better cropping?
5. Explain-a) Crop rotation b) Inter cropping c) Mixed cropping with examples.
6. What is animal husbandry? Write two examples of exotic breeds of Cattle.
7. What is Composite fish culture?
8. What are the required desirable traits in poultry farming?
9. Why Italian bees are preferred over Indian bees?
10. What is pasturage? How is it related to honey production?

### **Subject: SOCIAL SCIENCE**

1. What is meant by Presidential form of government?
2. Differentiate Lok Sabha and Rajya Sabha.
3. Describe the three categories of ministers which constitute the Council of Ministers.
4. How is the Prime Minister of India elected?
5. What is meant by the Judiciary? Describe its composition. What powers does the Supreme Court exercise?
6. What do you mean by a Rain shadow region?
7. Why does temperature remain lower in Peninsular India?
8. What do you understand by 'Breaks' in monsoon?
9. Explain how the Great Economic Depression affected the German economy.
10. What is hyperinflation? What were the factors that led to hyperinflation in Germany?

**Subject: हिंदी (द्वितीय भाषा)**

अभ्यास पत्र, कक्षा- नवमी/ वार्षिक/2024- 25

1. अपने मूल निवास (गाँव/शहर/नगर/राज्य) के नामकरण का आधार पता करें। (संदर्भ – कल्लू कुम्हार की उनाकोटी)
2. स्वर संधि के सभी प्रकारों के नाम सोदाहरण लिखें।
3. आप अपने निजी पुस्तकालय में कौन-कौन सी 5 किताबें रखेंगे। पुस्तक के साथ लेखकों के नाम भी लिखिए।
4. आपके ग्रन्थालय में हिंदी की कौन-कौन सी पत्रिकाएं मंगाई जाती हैं? संपादकों के नाम सहित लिखिए।
5. 'खुशबू हाथ रचते हैं' कविता का सारांश 30- 40 शब्दों में लिखिए।
6. आपके पाठ्यक्रम में बालश्रम से संबंधित कौन-सी कविता संकलित है? कवि के नाम के साथ दर्शाइए।
7. अर्थ के आधार पर वाक्य के सभी प्रकारों के दो -दो उदाहरण लिखिए।
8. ज्ञात कीजिए कि साहित्य के क्षेत्र में 2025 का नोबेल पुरस्कार किसे प्रदान किया गया है तथा क्यों?
9. इनके हिंदी नाम लिखिए –  
कंप्यूटर, राज्यपाल, कलेक्टर, अकाउंटेंट, इकोनॉमिक्स, कॉमर्स, सुप्रिटेण्डेंट ऑफ पुलिस।
10. आपके पाठ्यक्रम में संकलित इन लेखकों/ कवियों की दो -दो अन्य रचनाओं के नाम लिखिए –  
रामधारी सिंह दिनकर, हरिवंश राय बच्चन, महादेवी वर्मा।

**Subject: తెలుగు ( ద్వితీయ భాష )**

I. ఈ క్రింది ప్రశ్నలకు సమాధానాలు రాయండి.

1. నీవు వెళ్లిన యాత్ర స్థలం గురించి అక్కడ నీ అనుభవాలను వర్ణిస్తూ వ్యాసం రాయండి?
2. నేటి విద్యా విధానంలో విద్యార్థులకు లభిస్తున్న సౌకర్యాలు గురించి తెలియజేస్తూ మీ తాతగారికి లేఖ రాయండి ?
3. తీర్పు పాఠం ఆధారంగా చెసుకుని ఎవరి పాత్ర నచ్చింది. ఎందుకో రాయండి?

II. అర్థ సందర్భాలు:

1. ఏది ఏమైనా చదువు మనిషికి పరిజ్ఞానం ఇచ్చే సాధనం.
2. రెక్కల దువ్వీ వీపు సవరించి పద్మములు కుంటు దీర్చి.

III. సంధి పదాలను విడదీసి రాయండి?

1. కవీంద్రుడు 2. ప్రేమాంకము 3. పరమేశ్వరుడు 4. నవోదయం 5. పొరుగుాళ్ళు

**Subject: संस्कृतम् (द्वितीय भाषा)**

1. जतायोः शौर्यम् – प्रश्ननिर्माणं लिखत ।
2. एकं घटनाक्रमं लिखत । (भ्रान्तोबालः)।
3. संस्कृते 5 वाक्यानि हिन्दी वा आङ्ग्ल भाषा तः लिखत ।
4. सिकता सेतुः पाठस्य 5 प्रत्यय परश्चान् लिखत ।
5. एकं पत्रम् (संपूर्णपत्रम्) लिखत ।