DELHI PUBLIC SCHOOL VISAKHAPATNAM
ASSIGNMENT
October- November 2024-25

Class: XI   **Date of Submission: on or before 7.12.2024**

Subject: ENGLISH

1.Answer the following.

a) What dilemma did Dr. Andrew Manson face during Susan Morgan's delivery, and how did he resolve it?

b) How did Dr. Andrew's experience with the Morgans' case change his perspective on his profession?

c) Describe the harsh conditions the travelers faced on the Tibetan plateau.

d) What cultural insights does Nick Middleton provide about Tibet in The Silk Road?

e) What does the father feel about the growing distance between him and his son in the poem?

f) How does the poem Father to Son reflect the theme of communication and reconciliation?

2. Notice Writing: As the Head of the Cultural Committee, write a notice informing students about an inter-school debate competition to be held in your school. (50-60 words)

3.Article Writing: Write an article for your school magazine on the topic The Importance of Mental Health for Students. (150-200 words) – Practice question.

*Note these details about article writing in you English class work.

Article writing-

Purpose of writing an article?

To present information on a variety of themes -

- ➤ expressing views on some <u>issue of social interest.</u>
- ➤ expressing arguments in favour of or against a stated <u>hypothesis or event.</u>

Types

- ❖ Magazine general and school - limited audience
- ❖ Newspaper - wider audience

Marking Scheme: Format -1 Mark ,Content-2 Marks, Expression-2 Marks (Total -5 Marks)

Word Limit – around 200 words

Time: 20 to 22 minutes (Planning 3/4 minutes)

Format

Heading in More Than One Word

Byline

Introduction (1st Para) - limited words, short paragraph

2nd/3rd paragraph - (Develop Cause - effect relationship)

4th paragraph (comparison and contrast)

5th Para (Conclusion / Solution / Observation)

<u>Points to remember</u>

- ➤ Don't attempt to write about every single piece of information select relevant information.
- ➤ Must be written in the appropriate format and style
- ➤ Prefer to write in 3rd Person.

Subject: ACCOUNTANCY

1. What do you mean by an error? Explain 'errors of commission' and 'errors of omission' with examples.

2.

Debit	Rs	Credit	Rs.
Debtors	1,32,000	Provision for doubtful debts	3,000
Bad debts	2,000		

Adjustment: Write off further bad debts Rs. 2,000 and create a provision for doubtful debts 5% on debtors and 2 % discount on debtors.

Calculate the above and show how they are posted in profit & loss a/c

3. Rectify the following errors by passing journal entries and if necessary through suspense a/c.

A. Sales book was over cast by Rs. 20,000
B. Purchases from Naresh Rs. 35,000 entered in Sales Book
C. Cash paid to Rajesh Rs. 15,000 credited to Rajesh a/c
D. Proprietor withdrawn money for the purchase of bicycle to his son Rs. 9,000 debited to Trade Expenses a/c

4. From the following Trial Balance of Mr. Jagan, prepare Trading, Profit and Loss account and Balance Sheet as on 31-12-2023.

Debit	Rs.	Credit	Rs.
Salaries	12,000	Capital	50,000
Purchases	52,000	Sales	94,000
Trade Expenses	2,000	Discount	400
Wages	15,600	Creditors	42,000
Carriage	800	Bills Payable	13,600
Office expenses	1,000		
Bad debts	2,400		
Debtors	61,200		
Furniture	6,000		
Machinery	20,000		
Insurance	800		
Bills Receivables	4,000		
Opening Stock	14,000		
Cash in hand	1,000		
Cash at Bank	7,200		
	2,00,000		**2,00,000**

Additional Information:
i) Closing Stock Rs.25,000.
ii) Outstanding Wages Rs. 4,000; Prepaid insurance Rs. 100
iii) Depreciation on Machinery 5%, and On Furniture 10%.
iv) Write off further Bad debts 1,200 and provide Reserve for Bad and Doubtful Debts 5% on debtors

Subject: BUSINESS STUDIES

1. Can the Wholesaler be eliminated as a link in the business world. Justify your answer.
2. Explain the Import Procedure in brief.
3. Explain the important documents in Export trade.
4. What do you mean by 'Multiple Stores'? Explain its features in brief.
5. Name the retailers who have no fixed place of business and move from place to place and sell articles of daily use near consumers. Explain any two of them.

Subject: ECONOMICS

I. Give Answer:
1. Does TC curve start from Y axis always? Comment.
2. Distinguish between Explicit cost and Explicit cost.
3. Why is Marginal cost always variable cost? Give reason.
4. Explain the economic value of horizontal price line for a firm.
5. When MR = 0, TR is maximum. Give reason.
6. Why does TR increase at a constant rate when MR is constant.
7. Why should MC be rising at the point of equilibrium? Explain with a diagram.
8. TVC / AVC takes the shape of an inverted U. Why?
9. Write the properties of Arithmetic mean.
10. Mention the relationship among mean, median and mode.
11. Calculate Q1, Q3, D6 and P95 from the following data.

Marks	0 -5	5 -10	10-15	15-20	20-25	25-30	30-35	35-40
No. of students	4	6	10	10	25	22	18	5

Subject: MATHEMATICS

1. Three vertices of a parallelogram, taken in order, are (- 1, - 6), (2, - 5) and (7, 2). Write the coordinates of its fourth vertex.
2. Find the slope and the equation of the line passing through the points (5, 3) and (- 5, - 3).
3. The slope of a line is double of the slope of another line. If tangent of the angle between them is $\tan \theta = \frac{1}{3}$, find the slopes of the lines.
4. Find the coordinates of the focus and the vertex, the equation of the directrix and the axis, and length of the latus rectum of the parabola: $x^2 = 10y$
5. If the parabola $y^2 = 4ax$ passes through the point (3, 2), then find the length of its latusrectum.
6. If the vertex of the parabola is the point (- 3, 0) and the directrix is the line x + 5 = 0, then find its equation.
7. Write co - ordinates of foot of perpendicular from (3, 7, 9) on x - axis, y - axis, z - axis.
8. Find the coordinates of a point equidistant from the four points O (0, 0, 0), A (a, 0, 0), B (0, b, 0) and C (0, 0, c).
9. Verify that (0, 7, 10), (- 1, 6, 6) and (- 4, 9, 6) are the vertices of a right - angled triangle.

Subject: ARTIFICIAL INTELLIGENCE

1. What is Machine learning? Name the three methods of machine learning.
2. How are correlation measures used in AI applications?
3. Name some examples of regression algorithms?
4. What are regression algorithms used for?
5. What is Linear regression? Give two applications of regression in machine learning?
6. How can outliers impact regression analysis?
7. What is the primary difference between classification and regression?
8. Provide examples of classification problems in real-life scenarios.
9. What are some common applications of clustering techniques?
10. List the types of clustering methods.
11. How does classification model work?
12. Explain the types of clustering.
13. Write any two advantages and disadvantages of linear regression.
14. What are the steps involved in k-NN algorithm?
15. What are the steps involved in k-means clustering?
16. Asmita is developing an AI-driven recommendation system for a retail e-commerce platform. What type of machine learning method might she have used to:
a. Train the model with details of past purchases, user interactions, and product ratings?
b. Identify groups of similar users or products based on their browsing behaviour?

Subject: PHYSICAL EDUCATION

Sai kehlo india fitness tests for age group 5-8 years and 9 to 18 years.