



DELHI PUBLIC SCHOOL VISAKHAPATNAM ASSIGNMENT



Annual Examination Revision 2024-25

Class: XI

Date of Submission: on or before 3.2.2025

Subject: ENGLISH

I. Choose the correct alternative form of the Verb given in brackets:

i. She said that she _____ (finish) her work before leaving.

- a. finished b. has finished c. had finished d. will finish

ii. I wish I _____ (know) the truth earlier.

- a. knew b. know c. had known d. will know

II. Fill in the blanks with the correct determiner to complete the sentences given below:

i. There is hardly _____ water left in the bottle.

ii. _____ of the students were present at the seminar.

iii. I saw _____ interesting movie last night.

III. Read the jumbled words and arrange the sentences in their correct order:

i. The/park/in/the/children/playing/were

ii. Parents/to/their/vacation/a/planning/for/are/summer

iii. Meeting/had/office/the/the/in/been/organized

IV. Complete the sentences using the appropriate conjunction:

1. I stayed at home _____ it was raining heavily.

- a. because b. but c. though

2. You can borrow my book _____ you promise to return it soon.

- a. so b. if c. and

V. Fill in the blanks with the correct determiner to complete the sentences given below:

i. There isn't _____ time left to complete the task.

ii. _____ of the students completed the assignment on time.

iii. I need _____ information about the project to proceed further.

VI. Read the passage carefully, Write notes in an organized format using headings and subheadings, Use abbreviations wherever necessary (provide a key). Write a summary of it.

The world is facing a significant environmental crisis due to the deforestation. Forests, often referred to as the lungs of the planet, play a crucial role in maintaining ecological balance. They absorb carbon dioxide, provide oxygen, and support countless species of flora and fauna. However, large-scale deforestation for agriculture, urbanization, and industrial purposes is leading to devastating consequences.

Deforestation contributes to climate change by increasing the concentration of greenhouse gases in the atmosphere. Additionally, the loss of forest cover affects rainfall patterns, leading to severe droughts or floods in different regions. Wildlife is also severely impacted, as their natural habitats are destroyed, pushing many species toward extinction.

Efforts are being made globally to combat deforestation. Governments and organizations are promoting reforestation and afforestation programs. Sustainable practices, such as agroforestry, are being encouraged to strike a balance between development and conservation. However, these initiatives require widespread public support and awareness to be successful.

• Tasks:

1. Prepare Notes:

Use Headings and Subheadings.

Include at least 4-5 abbreviations (e.g., defor. For deforestation).

Follow an indented format for clarity.

2. Key to Abbreviations:

List the abbreviations used in your notes.

3. Summary Writing:

• Write a short summary (in 50-60 words) of the passage in your own words.

VI. Answer the following questions. (50-60 words)

a. How does the grandmother in The Portrait of a Lady maintain her dignity and independence throughout her life? What does this reveal about her personality?

- b. What alternate reality does Professor Gaitonde encounter in The Adventure? How does this reality contrast with his understanding of history?
- c. According to Childhood, what key realizations mark the poet's transition from innocence to maturity?
- d. What is the central theme of the play Mother's Day? How does it challenge traditional family dynamics?
- e. How does the poem The Voice of the Rain symbolize the life cycle of nature?

VII. Answer the following questions in about 120-150 words:

- a. Discuss how modern technology has helped solve mysteries related to King Tut. What role did the CT scan and forensic advancements play?
- b. What makes a travelogue unique as a literary genre? How does Nick Middleton's Silk Road reflect these characteristics? Compare it with the theme of exploration in The Adventure by Jayant Narlikar.
- c. In We're Not Afraid to Die... If We Can All Be Together, how do the family's hope and teamwork help them survive?

Subject: ACCOUNTANCY

1. From the following information, prepare Bank Reconciliation Statement as on 31st March, 2021:
 - a. Bank overdraft as per Pass Book ₹36,000
 - b. Cheques issued but not presented for payment ₹19,700
 - c. Cheques deposited with bank but not collected ₹25,000
 - d. Cheques entered in Cash Book but not banked ₹9,000
 - e. Directly deposited to bank by a customer ₹11,000.
2. Use accounting equation to show the effect of the following transactions of M/s Royal Traders:
 - a. Started business with cash ₹1,20,000
 - b. Purchased goods for cash ₹10,000
 - c. Rent received ₹5,000
 - d. Salary outstanding ₹2,000
 - e. Sold goods for cash (costing ₹5,000) ₹7,000
 - f. Goods destroyed by fire ₹500.
3. Give rectifying Journal entries for the following errors:
 - a. Sales of goods to Madan ₹6,000 were entered in the Sales Book as ₹600.
 - b. Credit purchase of ₹1,500 from Ajay has been wrongly passed through the Sales Book.
 - c. Repairs to building ₹300 were debited to Building Account.
 - d. ₹2,050 paid to Rohit is posted to the debit of Mohit's Account as ₹5,020.
 - e. Purchases Return Book is over casted by ₹400.
4. Ram & Co. purchased machinery for ₹21,000 on 1st April, 2019. The estimated useful life of the machinery is 10 years, after which its realizable value will be ₹1,000. Determine the amount of annual depreciation according to the Straight-Line Method and prepare Machinery Account for the first three years. The books of account are closed on 31st March.
5. Calculate the Amount of annual Depreciation and Rate of Depreciation under Straight Line Method (SLM) from the following:
Purchased a second-hand machine for ₹96,000, spent ₹24,000 on its cartage, repairs and installation, estimated useful life of machine 4 years. Estimated residual value ₹72,000.

Subject: BUSINESS STUDIES

1. Answer the following questions with respect of export procedure
 - a. What is IEC number? Why does an export firm need to have the IEC number? How does it obtain the IEC number?
 - b. Why it is obligatory for every exporter to get registered with the appropriate export promotion council? Name any two export promotion councils set up by the Government of India to promote and develop exports of different categories of products.
 - c. What is an ECGC? Why is registration with the ECGC necessary?
 - d. Once a confirmed order and also a letter of credit have been received, how does the exporter proceed in the export transaction?
2. Answer the following questions with respect of export procedure:
 - a. Why is Pre-shipment inspection compulsory and under which Act?

- b. In what cases, Pre-shipment inspection is not compulsory?
 - c. For what purpose does the exporter need to apply to the concerned Excise Commissioner in the region with an invoice?
 - d. What does the government exempt payment of excise duty or later on refund the excise duty in many cases? What is the refund of excise duty known as?
3. Kharbanda Ltd. deals in a variety of consumer products like toiletries, groceries, electronics, clothing, etc. The work place has been divided into a number of departments and every department sells a particular commodity. In this way almost all the needs of customers are fulfilled under a roof.
- Manchanda Ltd. deals in footwears. The company has 200 shops at different places of the country. The specialty of the business of this company is that at all its shops the goods available are of the same type, and their prices are also the same. All sales are made strictly on a cash basis. Identify the type of retail trade done by Kharbanda Ltd. and Manchanda Ltd. Also state any three features of each.
4. What are the incentives provided by the Government for industries in backward and hilly areas?
 5. How do small scale industries contribute to the socio-economic development of India? Discuss.
 6. Answer the following:
 - a. What is the parameter used by the government to identify MSMEs?
 - b. What is the investment limit in equipment for small enterprises?
 - c. How much do small industries in India account for the total industrial units?
 - d. Name the institution which provides an integrated administrative framework for small-scale industries at the district level.
 7. Answer the following:
 - a. Why is equity share capital called risk capital?
 - b. Why are equity shareholders referred to as 'residual owners'?
 - c. Why is equity share capital called the permanent capital?

Subject: ECONOMICS

1. Explain the following with diagram
 - a. Law of demand
 - b. Law of supply
 - c. Consumer's equilibrium with Indifference curve
 - d. Relation between MC and AC
 - e. Law of diminishing marginal utility
 - f. Producer's equilibrium
2. Explain and show change in supply (Increase and Decrease in supply) due to: (Use table and diagram)
 - a. Technology
 - b. Government Policy (Tax and Subsidy)
 - c. Price of competitive products
 - d. Factor prices.
3. Explain price floor and price ceiling with their merits and demerits. Use diagram.
4. How is price and quantity determined in a market? What are the chain effects of Increase and decrease in demand and supply. Explanation with separate diagrams will be followed.
5. Mention the factors responsible for elasticity of demand and elasticity of supply.
6. Explain with a diagram the status of Budget line if there is change in price of good-X with unchanged price of Good-Y and Income. Also show and explain when price of Good Y changes and price of Good X and income remains constant.
7. Numerical problems.
 - a. The price elasticity of supply is 0.8. Its price rises by 50%. Calculate the percentage increase in its supply.
 - b. At a price of ₹10 per unit the supply of a good is 80 units. When its price rises to ₹12 per unit, its supply rises by 120. Calculate price elasticity of supply.
 - c. Price elasticity of demand of a commodity is (-) 2. When its price falls by ₹2 per unit, its quantity demanded rises by 2 units. If the quantity demanded before the price change was 20 units, what was the price at this demand?
 - d. The Price elasticity of demand for a good is (-) 2. If its price falls by 5%, by what percentage will its demand rise?
 - e. If MR of the 2nd unit is ₹10 and MR of the 1st unit is ₹10, what is TR at 2 units?
 - f. If price of 3rd units is ₹15 and price of 4th units is ₹12, what is MR for 5th unit?
 - g. When AC is ₹50 and it is minimum when 5 units are produced. Calculate the marginal cost of producing 5 units.

- h. A firm's fixed cost is ₹20 at 4 units of output. What will it be at 2 units of output?
- i. A consumer wants to consume two goods, X and Y. They are priced as ₹10 and ₹20. Consumer's income is ₹100. i) Write the budget equation ii) Maximum quantity bought if the entire income spent on good- X / Good- Y. iii) Write the slope of the Budget line.
8. Draw a blank table and write its components.
9. Define the following terms
 a. Classification b. Variable Frequency c. Attributes d. Cumulative frequency e. Class magnitude
 f. Primary data g. Secondary data h. Statistics in singular sense i. Statistics in plural sense j. Census method k. Sampling method
10. Refer to your text book and put up in graph sheets the following
 a. Component Bar diagram b. Percentage Bar diagram c. Multiple Bar diagram. d. Frequency polygon e. Less than and more than Ogive.
11. Define mean, median and mode and mention their uses. Also mention their merits.
12. What is Correlation? Write its properties.
13. Write the degree of correlation: Perfect correlation, Absence of correlation and limited degree of correlation
14. What is Index Number? Explain about Wholesale price index, Consumer price Index and Index of Industrial production.

Subject: MATHEMATICS

- 1-Let $A = \{a, b\}$ and $B = \{a, b, c\}$. Is $A \subset B$? What is $A \cup B$?-
- 2-Draw the graph of the rational function $f(x) = \frac{x^2-1}{x-1}$.
- 3-Prove that $(\cos^4 x + \sin^4 x) = \frac{1}{2} (2 - \sin^2 2x)$.
- 4-Evaluate: \sqrt{i} .
- 5-Solve the given system of equations in R: $\frac{|x-2|}{x-2} > 0$.-
- 6-If ${}^n C_{12} = {}^n C_{13}$, find the value of ${}^{25} C_n$.
- 7-Using binomial theorem, compute the following: $(10.1)^5$.
- 8-The sum of first two terms of an infinite geometric series is 15 and each term of the series is equal to the sum of all the terms following it. Find the series.
- 9-The sum of the squares of the distances of a moving point from two fixed points (a,0) and (- a, 0) is equal to a constant quantity $2c^2$. Find the equation to its locus.
- 10-Find the equation of the ellipse whose vertices are $(\pm 13, 0)$ and foci are $(\pm 5, 0)$.
- 11-Find the distance between the points: P (1, - 1, 0) and Q (2, 1, 2).
- 12-Differentiate: $\frac{x}{\sin x}$ respect to x.
- 13-Find the mean deviation from the median for the data 34, 66, 30, 38, 44, 50, 40, 60, 42, 51.
- 14-In a simultaneous toss of two coins, find the probability of getting exactly one tail.

Subject: ARTIFICIAL INTELLIGENCE

1. Write any two advantages and disadvantages of linear regression.
2. How can outliers impact regression analysis?
3. What is the primary difference between classification and regression?
4. List the types of clustering methods.
5. How does classification model work?
6. What is Machine learning? Name the three methods of machine learning.
7. Explain the concept of data literacy and its importance in today's digital age.
8. What is data visualization and why is it important?
9. When would you use a scatter plot?
10. What do you mean by web scraping?
11. Explain the terms mean, median and mode.
12. Write down the steps of Problem decomposition
13. What do you mean by a capstone project? Explain briefly.
14. Define Design Thinking. Explain briefly the different stages of Design thinking.
15. Name some examples of regression algorithms?