NORTH-EX PUBLIC SCHOOL

(Senior Secondary, Affiliated To CBSE)

School Block, Jain Nagar, Sector-38, Rohini, Delhi – 81

Winter Holiday Homework, 2025-26

Class – XI (Commerce)

English

1. Draft a poster on 'Save the Girl Child, Save the Nation' compaign that has been started by the Delhi Commission for Women. (Use A-4 size sheet)
2. You have a DDA flat in Rohini and want to give it on rent. Draft an advertisement for a local daily giving the necessary details.
3. Write a debate for and against on the topic, 'Are old age homes necessary today?' in 120-150 words.
4. Racism is bad. Anyone and everyone can be exposed to racism. Write a speech in 120-150 words on the topic, 'Racism' to be delivered in the morning assembly of your school.
5. Write a speech on the topic 'Is peer pressure beneficial or not?' to be delivered on account of children&#39;s
Day celebration in your school.
6. You are Ram/ Rajni. Write a debate either for or against the motion: "Hard work and not only good luck helps us to achieve success in life".
7. Prepare the topic of your choice for ASL (Assessment of Speaking and Listening).
8. Prepare your English project file.
9. Learn and practice the format of Notes Making in the test register.
10. Learn and revise all the questions and answers of the chapters done till now.

Mathematics

1. Find the centre and radius of $2x^2 + 2y^2 + 3x + 4y + 9/8 = 0$.
2. Find the point on Z axis which is equidistance from the points (1,5,7) and (5 ,1 ,-4).
3. Find the coordinates of Foci , the equation of the directrix and length of latus rectum fo the following parabola:
$Y^2 = 8x$
$X^2 = 6y$
$Y^2 = -12x$
$X^2 = -16y$
4. Find the equation of the circle which passes through (3,-2) , (-2,0) and has its centre on the line $2x - y = 3$.
5. Find the equation of an ellipse whose foci are (4, 0) and the eccentricity is 1/3.
6. Find the values of x , if the distance between two points (x, -8,4) and (3 ,-5, 4) is 5 units.
7. Find the equation of the curve formed by the set of all points whose distances from the points (3,4 -5) and (-2,1,4) are equal.
8. Find the points on Y axis which is at a distance units from the point (1,2,3).
9. Find the equation of a circle whose diameter are $2x-3y+12 = 0$ and $x +4y -5 = 0$ and area is 154 sq units.
10. Complete lab activities in practical files(7,16,18,23,24).

Physical Education

1. What are the functions of heart?
2. Describe the circulatory system.
3. What is a joint? Write in detail about the types of joints in human skeleton.
4. Explain in detail different types of bones in human body.
5. Define kinesiology and it's importance.
6. Explain in detail, the types of body movements.
7. Explain the importance of biomechanics in physics education and sports.
8. Explain the physical and mental characteristics of early and later childhood.
9. Explain the physical, mental and social characteristics of development.
10. Explain the problem of adolescent and how these can be managed.

Economics

1. Explain price relative, consumer price index number, and wholesale price index.
2. Explain the difference between price index numbers and quantity index numbers.
3. Calculate the price elasticity of supply using the Percentage Method.
4. State whether the supply is elastic, inelastic, or unitary elastic.
5. Explain the Law of Variable Proportions with the help of a diagram.
6. Explain any three factors affecting production in the short run.
7. Explain Karl Pearson's method of measuring correlation.
8. Explain the problems involved in the construction of index numbers.
9. What is Consumer Price Index (Cost of Living Index)? Explain its importance.
10. Explain the concept of market equilibrium with the help of a demand and supply schedule. Also explain what happens when there is excess demand and excess supply in the market.
NOTE- PREPARE THE PRACTICAL FILE.

Accountancy

1. What is depreciation, and why is it charged on fixed assets?
2. A company purchases a machine for ₹1,00,000. The machine has a useful life of 5 years and a scrap value of ₹10,000. Calculate the annual depreciation using the straight-line method.
3. What is the difference between the straight-line method and the written-down value method of depreciation?
4. What are the main components of a trading account?
5. From the following information, calculate the gross profit:
   - Sales: ₹5,00,000
   - Cost of Goods Sold: ₹3,50,000
6. What is the purpose of preparing a balance sheet?
7. X Ltd. purchased machinery for ₹2,00,000 on 1st April 2022. Depreciation is provided at 10% p.a. on the written-down value method. Calculate the depreciation for the year ended 31st March 2023.
8. Prepare a trading account from the following information:
   - Opening Stock: ₹1,00,000
   - Purchases: ₹3,00,000
   - Sales: ₹5,00,000
   - Closing Stock: ₹1,50,000

9. A company's profit and loss account shows a net profit of ₹2,00,000. The company has ₹50,000 as depreciation on machinery. Calculate the cash profit.
10. From the following balances, prepare a balance sheet:
   - Share Capital: ₹5,00,000
   - Fixed Assets: ₹3,00,000
   - Current Assets: ₹2,50,000
   - Current Liabilities: ₹1,00,000
1. What is the purpose of preparing a Trial Balance?
2. The following balances are extracted from the ledger of a company:
   - Capital: ₹5,00,000
   - Sales: ₹10,00,000
   - Purchases: ₹6,00,000
   - Rent: ₹1,20,000
Prepare a Trial Balance.
3. If a Trial Balance does not tally, what steps would you take to identify the errors?
4. What type of errors are not disclosed by a Trial Balance? Give two examples.
5. The following balances are given:
   - Machinery: ₹2,00,000
   - Furniture: ₹50,000
   - Stock: ₹1,00,000
   - Bank Overdraft: ₹30,000
Prepare a Trial Balance with these items.
NOTE- PREPARE THE PROJECT FILE.

Business Studies

1. What is a small business?
2. What are the characteristics of a small business?
3. What are the advantages of small businesses?
4. What are the challenges faced by small businesses?
5. How do small businesses contribute to the economy?
6. What is the role of MSME in promoting small businesses?
7. What are the different types of small businesses?
8. How do small businesses access finance?
9. What is the importance of entrepreneurship in small businesses?
10. How can small businesses compete with large businesses?
11. What are the benefits of small businesses to the local community?
12. How can small businesses innovate and grow?
13. What is the role of small businesses in rural development?
14. How can small businesses manage their finances effectively?
15. What are the government initiatives to support small businesses?
NOTE- PREPARE THE PROJECT FILE.