### NORTH-EX PUBLIC SCHOOL (Senior Secondary, Affiliated To CBSE) School Block, Jain Nagar, Sector-38, Rohini, Delhi – 81 SUMMER HOLIDAY HOMEWORK, 2025-26 CLASS – XII (COMMERCE)

#### **ENGLISH**

- 1. Learn and revise all the syllabus of PERIODIC TEST-I.
- 2. Prepare your ASL Project file.
- 3. Prepare your ASL topic (Assessment of Speaking and Listening Skills)
- 4. Practice Comprehension Passage (Any 3)
- 5. Write Notices on the following occasions.
  - a. Tours
  - b. Sports
  - c. Cultural / Extra- curricular activities

6. Water supply will be suspended for 8 hours 10:00 a.m. to 6:00 p.m. on 30th of May for cleaning of the water tank. Write a notice in about 50 words advising the residents to store water a day before. You are Karan, secretary of your society.

7. Write the article on the topic, 'My vision of future India'. (Word-limit 150- 200).

8. Write the article on the topic, 'Digital education in India'. (Word-limit 150- 200).

9. Write a speech in 150 to 200 words on the topic 'discipline shapes the future of a student. It is to be delivered in the morning assembly of your school.

10. The youth of the country are very vigilant these days and a very concerned about the problem being faced by the people. Write a letter to the editor of a national daily urging him to highlight the role of the youth in eradicating the problems of poverty, unemployment and corruption. You are Rohit / Rihanna.

#### MATHEMATICS

1. 
$$\begin{bmatrix} x+3 & z+4 & 2y-7 \\ -6 & a-1 & 0 \\ b-3 & -21 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 6 & 3y-2 \\ -6 & -3 & 2c+2 \\ 2b+4 & -21 & 0 \end{bmatrix}$$
, then find values 0f a,b,c and z.  
2. If  $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ , then find  $A^2 - 5A + 6I$ .  
3. Solve the system of linear equation by matrix method.  
(a)  $x - y + z = 4$ (b)  $2x + y - 3z = 0$  (c)  $x + y + z = 2$   
4. If  $A = \begin{bmatrix} 1 & -1 & 1 \\ 2 & 1 & -3 \\ 1 & 1 & 1 \end{bmatrix}$  find A-1. Using A-1 solve the system of equation  
 $x + 2y + z = 4$   
 $-x + y + z = 0$ 

 $\begin{array}{cccc} x - 3y + z = 2 \\ 5. \begin{bmatrix} 1 & -1 & 2 \\ 0 & 2 & -3 \\ 3 & -2 & 4 \end{bmatrix} \begin{bmatrix} -2 & 0 & 1 \\ 9 & 2 & -3 \\ 6 & 1 & -2 \end{bmatrix} \text{ to solve the system of equations } x + 3z = 9 \\ -x + 2y - 2z = 4 \text{ and } 2x - 3y + 4z = 3. \end{array}$ 

6. consider a matrix A of order 3x3 such that IAI = 5. On the above information , answer the following questions.

a) Find the value of |adjA|.

b) Find the value of |adjA(adjA)|.

c) Find the value of  $|5A^{-1}|$ .

7. Let L be the set of all lines in a plane and R be a relation on L defined by  $I_1 R I_2$  iff  $I_1$  is perpendicular to  $I_2$ , then R is equivalence relation or not.

8. Which is greater tan1 or tan<sup>-1</sup>1.

9. Show the relation R in the set  $A=\{x \in Z: 0 \le x \le 12\}$ , given by  $R=\{(a, b): |a - b| \text{ is a multiple of } 4\}$  is an equivalence relation. Also give an example of a relation which is reflexive and symmetric but not transitive.

10.Find the value of  $\cos(\frac{\pi}{6} + \cot^{-1}(-\sqrt{3}))$ .

11. If  $sin^{-1}x + sin^{-1}y + sin^{-1}z = \frac{3\pi}{2}$ , then find the value of

 $X^{100} + y^{100} + z^{100} - \frac{9}{x^{101} + y^{101} + z^{101}}$ 

12.Do activities no. 1,3,4,9,14, 15,16,20,26,27 in lab manual .

### **PHYSICAL EDUCATION**

Q1. Explain causes of Osteoporosis with symptoms.

Q2. Enlist the symptoms of female athlete triad.

Q3. What are the corrective measures for flat foot.

Q4. What are the physical benefit of women participation in sports.

Q5. Write down physical activities exercise guideline for under 5 of age.

Q6. Briefly write about physical activities/exercises guidelines for adults above 65 years of age.

Q7. What is meant by Round Shoulder? Mention few exercise to correct it.

Q8. Draw a fixture of 18 teams participating in knockout tournament .

Q9. Draw a fixture of 21 teams in which 4 teams are special seeded type.

Q10. Draw a fixture of 23 teams on the basis of league cum League.

## **BUSINESS STUDIES**

Q1. Mr. X, the director of a company many times get involved in activities like procurement of raw material, production and dispatch of goods, employee discipline etc.

(a) Name the level of management Mr. X belongs to.

(b) Do you think he must be involved in such activities? Give reason.

(c) Give two important functions, Mr. X must perform?

Q2. The marketing manager of Alpha Ltd. fixed the target for all his sales executives and gave them all the possible authorities to achieve it. They were asked to submit to him their performance report at the end of the month. All of them did the same. On the receipt of report, the expected and actual results of sales executives were compared, on this basis future course of action was decided. The sales Executive also wrote in their report what the expectations of the customers from the company were. Majority of them had written that they wanted the co. to cooperate in the construction of Dharmsala going on in the city. The marketing manager placed this demand before the Board of Directors. This was happily accepted.

(a) Identify the functions of management described in above paragraph by quoting relevant lines.

(b) Which 2 values are given to society?

(c) Which objective is being highlighted here?

Q3. Management is multi-dimensional'. Explain?

Q4. How is management all pervasive?

Q5. Identify the nature of management when it is practiced as personal

application of existing knowledge to achieve desired results.

Q6. Mr. Kunal is working as the Finance Manager of XYZ Ltd. At what level of management is he working? State any two functions being performed by him?

Q7. What is mean by Co-ordination? Explain how does coordination

'integrates group efforts' and 'ensures unity of action'.

Q8. Explain the following principles of Fayol with the help of one example of each.

a)Division of work

b)Unity of direction

Q9. Why did Taylor develop the technique of different piece wage system?

Q10.(Project work)

Student are supposed to select one unit out of 4 and you are to require only one project from the selected unit.

Topic1 (Roll. No. 1,5,9,13,17,21,25) -Elements of Business Environment

Topic2(Roll.no.2, 6,10,14,18,22,26)

-Principles of Management

Topic3(Roll.no.3, 7,11,15,19,23) -

Stock Exchange

Topic4(Roll. no. 4,8,12,16,20,24) - Marketing

# ACCOUNTANCY

Q1. Difference between Fixed Capital Account & Fluctuating Capital Account

Q2. Calculate interest on drawing of Vimal if the withdrew Rs. 48000 Quarter withdrawn evenly (i) at beginning of each Quarter (ii) in the middle of each of at end (iii) Quarter. Rate of interest is 10% p.a.

Q3. How will you show the following in case the capitals are?

i) Fixed and ii) Fluctuating

a)Additional capital introduced

b)Drawings

c)Withdrawal of capital

d)Interest on capital and

e)Interest on loan by partners?

Q4. If the partners capital accounts are fixed, where will you record the following items:

a)Salary to partners

b)Drawing by a partners

c)Interest on capital and

d)Share of profit earned by a partner?

Q5. A business has earned average profits of Rs 1,00,000 during the last few years and the normal rate of return in a similar business is 10%. Find out the value of goodwill by

a)Capitalisation of super profit method.

b)Super profit method, if the goodwill is valued at 3 years' purchase of super profit.

The assets of the business were Rs 10,00,000 and its external liabilities Rs 1,80,000.

Q6. The profits of a firm for the last five years were:

Profits (Rs.)	45,000	50,000	52,000	65,000	85,000
Year	2011	2012	2013	2014	2015

Calculate the value of goodwill on the basis of two years of purchase of weighted average profits, the weights to be used are 2011-1, 2012-2, 2013-3, 2014-4 and 2015-5.

Q7. Ram & Sham are partners sharing profits & losses in ratio of 3:2. Ram being non-working partner contributes Rs. 20,00,000 as his capital & Shyam being a working parties, gets a salary of Rs. 8000 per month. As per partnership deed interest is paid @ 8% p.a. & salary is allowed. Profits before providing that for year ending 31st March 2015 were Rs. 80,000. Show the distribution of profits.

Q8. Difference between profit and loss account and profit Loss appropriation account.

Q9. V and M are partners . V's capital is ₹100000 and M's capital is ₹60000.Interest on capital is payable@6%.V is to get salary of ₹3000 per month. Net profit for the year is ₹ 80000.Prepare Profit &loss Appropriation Account.

# Q10. (Project work)

One Specific project based on financial statement analysis of a company covering any two aspects from the following:

I) comparative and common size financial statement.

ii) Accounting Ratio

iii) segment Reports

Iv) Cash flow statement.

## ECONOMICS

- 1. Why was Indian economy referred to as an agricultural economy on the eve of independence?
- 2. What is the meaning of subsistence farming? Explain it.
- 3. Name some modern industries which were in operation in our country at the time of independence.
- 4. The zamindari system of land settlement was responsible for the stagnation of Indian agriculture. Explain.
- 5. Briefly discuss the pattern of industrial development on the eve of independence.
- 6. "National highway is a private good because it is funded by taxes." Defend or refute the given statement with valid arguments
- 7. What is entrepreneurship?

- 8. Differentiate between personal income and private income.
- 9. What is national disposable income?
- 10. Explain with diagram circular flow in a two-sector economy?