

**NORTH-EX PUBLIC SCHOOL**  
**(SENIOR SECONDARY, AFFILIATED TO CBSE)**  
**SCHOOL BLOCK, JAIN NAGAR, SECTOR-38, ROHINI, DELHI-81**  
**SUMMER HOLIDAY HOMEWORK**  
**CLASS XII (COMMERCE)**

**ENGLISH**

1. Draft a notice in not more than 50-words for your school notice board, informing the Students about the sale of old sports goods of your school. You are Rohini/Rohan the secretary of the sports club of Alka Public School, Indira Nagar Faridabad.
2. Secretary of the Activity Club of your school, draft a notice for the school noticeboard, informing students of the Inter-class Quiz contest being organised by the school. You are Nayasa/Pankaj.  
[Word limit: 50]
3. The increasing amount of time spent playing indoor games has been a major cause of decreasing the outdoor appearance of children. With this concern, write a speech to be delivered in the morning assembly in 150-200 words. You are Parag/Pragati.
4. You are Ankit/Ankita. You have to deliver a speech on the topic “Education Gives One Power”. You have jotted down the following notes: Education trains mind—sharpens skill and abilities—Education: a source of power—improve self—be independent—earn money—ignorance to knowledge—removes Superstition—develops a free spirit—important for women: gives them freedom from social ills—-independent—responsible. Write your speech in 150-200 words.
5. Solve any 2 unseen passages and paste it in the test register.
6. You are Shruti / Saurabh, Secretary, Literary Association of Queen Victoria School, Nagpur. Write a notice giving details of the inauguration of the literary Association activities.
7. Read all the chapters of P.T -1 syllabus and write the summary of each in your test register.
8. After reading ‘The Last Lesson’, can you compare any of your teachers with M Hamel? What values did he possess that every teacher should be endowed with? Are you a true patriot? Can you be one of those villagers? Explain.
9. Make a project file for the ASL.
10. Learn and revise PT-1 syllabus.

**MATHEMATICS**

1. Express 
$$= \begin{bmatrix} 2 & 5 & 6 \\ 1 & 2 & 3 \\ -1 & 0 & 6 \end{bmatrix}$$
 as a sum of symmetric and skew symmetric matrix.
2. Solve the system of linear equation by matrix method.  
(a)  $x - y + z = 4$  (b)  $2x + y - 3z = 0$  (c)  $x + y + z = 2$
3. 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  
 $x + 2y + z = 4$   
 $-x + y + z = 0$   
 $x - 3y + z = 2$
4. Find the value of  $\cos\left(\frac{\pi}{6} + \cot^{-1}(-\sqrt{3})\right)$ .
5. Let L be the set of all lines in a plane and R be a relation on L defined by  $l_1 R l_2$  iff  $l_1$  is perpendicular to  $l_2$ , then R is equivalence relation or not.
6. Find the value of  $\cos^{-1}(\cos(-680^\circ))$ .
7. Which is greater  $\tan 1$  or  $\tan^{-1} 1$ .

8. Find the range of  $\sec^{-1}(2x - 1)$ .
9. Draw the graph of  $\tan^{-1}x$  and  $\sec^{-1}x$ .
10. **Case-Study** : Read the following passage and answer the questions given below.  
Consider the system of equations:  

$$3x - y - 2z = 2$$

$$2y - z = -1$$

$$3x - 5y = 3$$
 (a) Express the above equations in matrix form . If A denotes the coefficient matrix, find  $|A|$ .  
 (b) Calculate  $(\text{adj.}A).B$  and comment on the consistency of the system.
11. **Case-Study** : Read the following passage and answer the questions given below.  
A diet is to contain 30 units of vitamin A , 40 units of vitamin B and 20 units of vitamin C.  
Three type of foods F1, F2, F3 are available . One unit of Food F1 contains 3 units of vitamin A, 2 units of vitamin B and 1 unit of vitamin C. One unit of Food F2 contains 1 unit of vitamin A, 2 units of vitamin B and 1 unit of vitamin C. One unit of Food f3 contains 5 units of vitamin A, 3 units of vitamin B and 2 units of vitamin C.  
 (a) If the diet contains x units of food F1 , y units of food 2 , z units of food F3 . Then write the matrix equation representing the above situation. . If A denotes the coefficient matrix, find  $|A|$ .  
 (b) If A is the matrix formed by coefficients of x and y of the given situation, then what is the value of  $|\text{adj.}A|$  ?
12. Do Lab Activities as given in the class.

## ACCOUNTANCY

Q1.Cheese and Slice are equal partners. Their capitals as on April 01, 2022 were Rs 50,000 and Rs 1,00,000 respectively. After the accounts for the financial year ending March 31, 2023 have been prepared, it is observed that interest on capital @ 6% per annum and salary to Cheese @ Rs 5,000 per annum, as provided in the partnership deed has not been credited to the partners' capital accounts before distribution of profits.

You are required to give necessary rectifying entries using P&L adjustment account.

Q2.P, Q and R were partners with fixed capital of Rs 40,000, Rs 32,000 and Rs 24,000. After distributing the profit of Rs 48,000 for the year ended 31st March 2022 in their agreed ratio of 3 : 1 : 1 it was observed that:

Interest on capital was provided at 10% p.a. instead of 8% p.a.

Salary of Rs 12,000 was credited to P instead of Q.

You are required to pass a single journal entry in the beginning of the next year to rectify the above omissions.

Q3.Sandeep, Maheep and Amandeep were partners in a firm sharing profits in the ratio of 2 : 2 : 1. The firm closes its books on 31<sup>st</sup> March every year. On 30<sup>th</sup> June, 2020 Maheep died. The partnership deed provided that on the death of a partner his executors will be entitled to the following:

a)Balance in his capital account which amounted to Rs 1,15,000 and interest on capital till date of death which amounted to Rs 5,000.

b)His share in the profits of the firm till the date of his death amounted to Rs 20,000.

c)His share in the goodwill of the firm. The goodwill of the firm on Maheep's death was valued at Rs 1,50,000.

d)Loan to Maheep amounted Rs 20,000.

It was agreed that the amount will be paid to his executor in three equal yearly instalments with interest @ 10% p.a. The first instalment was to be paid on 30.06.2021.

Calculate the amount to be transferred to Maheep's executors Account and prepare the executor's account till it is finally settled.

Q4.From the following Balance Sheets of Vishal Ltd. as at 31st March, 2023, prepare a comparative Balance Sheet.

**Vishal Ltd.**  
**Balance Sheet as at 31st March, 2023**

	<b>Particulars</b>	<b>Note No.</b>	<b>31-3-23</b> <b>(Rs)</b>	<b>31-3-22</b> <b>(Rs)</b>
<b>I.</b>	<b>Equity and Liabilities:</b>			
1.	Shareholders Funds			
	(a) Share Capital		21,00,000	20,00,000
	(b) Reserves and Surplus		2,30,000	2,00,000
2.	Non-current Liabilities			
	Long term borrowing		5,60,000	2,00,000
3.	Current Liabilities			
	Trade payables		2,80,000	1,00,000
	<b>Total</b>		<b><u>31,70,000</u></b>	<b><u>25,00,000</u></b>

<b>II.</b>	<b>Assets:</b>			
1.	Non-current Assets			
	Property, Plant and Equipment and Intangible Assets			
	(i) Property, Plant and Equipment		21,00,000	20,00,000
	(ii) Intangible assets		3,00,000	2,00,000
2.	Current Assets			
	(a) Inventories		5,60,000	2,00,000
	(b) Cash and cash equivalents		2,10,000	1,00,000
	<b>Total</b>		<b><u>31,70,000</u></b>	<b><u>25,00,000</u></b>

Q5. Prepare PROJECT (specific project according to CBSE guidelines)-Suggested topics

1. Comparative and common size financial statement
2. Accounting ratio
3. Segment ratio
4. Cash flow statement

Q6.S and P are partners in a firm sharing profits and losses equally. On 1st April, 2011, the capital of the partners were, S Rs 20,000 and P Rs 16,000. The profit and loss account of the firm showed a net profit of 37,500 (before interest on P's loan) for the year ended 31st March, 2012. Considering the following information, prepare the profit and loss appropriation account of the firm and the partners' capital account.

i)Interest on capital to be allowed @ 6% p.a.

ii) Interest on P's loan account of Rs 10,000 for the whole year.

iii) Interest on drawings of partners @ 6% p.a. Drawings being S Rs 4,000 and P Rs 3,000.

iv) Transfer 10% of the distributable profits of the reserve.

Q7. L, M, and N were partners in firm sharing profit in the ratio of 3 : 4 : 5. Their fixed capitals were L Rs 4,00,000, M Rs 5,00,000 and N Rs 6,00,000 respectively. The partnership deed provided for the following:

a) Interest on capital @ 6% p.a.

b) Salary of Rs 30,000 p.a. to N.

c) Interest on partner's drawings will be charged @ 12% p.a.

During the year ended 31.3.2009, the firm earned a profit of Rs 2,70,000. L withdrew Rs 10,000 on 1.4.2008. M withdrew Rs 12,000 on 30.09.2008. and N withdrew Rs 15,000 on 31.12.2008. Prepare profit and loss appropriation account for the year ended 31.3.2009.

Q8. Manoj Sahil and Dipankar are partners in a firm sharing profit and losses equally.

The have omitted interest on Capital @ 10% per annum for three years ended on 31st March, 2015.

Their fixed Capital on which interest was to be calculated throughout were:

Manoj Rs. 3,00,000

Sahil Rs. 2,00,000

Dipankar Rs. 1,00,000

Give the necessary adjusting journal entry with working notes.

Q9. A and B were partners in a firm sharing profits and losses in the ratio of 3:2. They admit C for 1/6th share in profits and guaranteed that his share of profits will not be less than Rs. 25,000. Total profits of the firm for the year ended 1st March, 2015 were Rs. 90,000. Calculate share of profits for each partner when.

Q10. A earns Rs. 1,20,000 as its annual profits, the rates of normal profit being 10%. The assets of the firm amounted to Rs. 14,40,000 and liabilities to Rs. 4,80,000. Find out the value of goodwill by capitalization method.

## **BUSINESS STUDIES**

Q1. State any three responsibilities that a consumer should keep in mind while purchasing using and consuming goods and services.

Q2. Explain the following Consumer protection Act.

(i) Right to be Informed (ii) Right to seek Redressal.

Q3. What is meant by consumer protection? State any four points of importance of consumer protection from the point of view of consumers.

Q4. Under the Consumer Protection Act 1986, every consumer has a right to be protected against goods and services which are hazardous to life and health. Delhi-18 Lights and Appliances produces and sells substandard electrical appliances. As these appliances did not conform to safety norms so an important mark assuring quality specification was missing. Cases were noticed where these sub-standard appliances had caused serious injury to many consumers.

a. Which consumer right has been highlighted in the above case?

b. Name the mark which the consumer should see before buying any electrical appliances to ensure safety.

c. Name and explain the consumer right where a consumer has a right to have complete information about that product he intends to buy.

Q5. Make a project on any one topic.

a) Element of business environment

b) Principle of management

c) Stock exchange

d) Marketing management

Q6. Explain five functions of top-management.

Q7. 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?

Q8. What do you mean by Principle of Management. Explain Personal objective of management? Enumerate Personal objective of Management.

Q9. 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?

Q10. Management of Global Ltd. fulfills all its objectives and the organization is able to work effectively and efficiently. It is using environment friendly methods of production and disposes off the waste material by either recycling it or using the same for landfill in such a manner that aquatic life is not disturbed. It also provides employment opportunities to the disadvantaged sections of the society.

(a) Identify the objective of management which the company is fulfilling by doing such activities.

(b) State any other 2 objectives which they should fulfil?

(c) Which two values is the company achieving by their activities?

### **ECONOMICS**

Q1. What is Nominal Gross Domestic Product?

Q2. What is meant by Real Gross Domestic Product?

Q3. What is transfer payment?

Q4. What are externalities? Give an example of a positive externality and its impact on welfare of the people.

Q5. Explain the expenditure method of estimating National Income.

Q6. Explain how 'distribution of Gross Domestic Product' is a limitation in taking Gross Domestic Product as an index of welfare.

Q7. How can externalities be a limitation of using Gross Domestic Product as an index of welfare?

Q8. Give the meaning of factor income to abroad and factor income from abroad. Also give an example of each.

Q9. Distinguish between domestic income and national income. When can domestic product be more than the national product?

Q10. Distinguish between Gross Domestic Product at base year price and Gross Domestic Product at current year price. Which of these is a better index of welfare of the people and why?

Q11. Students are asked to prepare a PROJECT REPORT through RESEARCH WORK on any one of the following topic:

1. Micro and Small Scale Industries
2. Food Supply Channel in India
3. Contemporary Employment situation in India
4. Disinvestment policy of the government
5. Goods and Services Tax Act and its Impact on GDP
6. Health Expenditure (of any state)
7. Human Development Index
8. Inclusive Growth Strategy
9. Self-help group
10. Trends in Credit availability in India
11. Monetary policy committee and its functions
12. Role of RBI in Control of Credit
13. Government Budget & its Components
14. Trends in budgetary condition of India
15. Exchange Rate determination - Methods and Techniques
16. Currency War - reasons and repercussions
17. Livestock - Backbone of Rural India
18. Sarwa Siksha Abhiyan - Cost Ratio Benefits

19. Golden Quadrilateral- Cost ratio benefit
20. Minimum Support Prices
21. Relation between Stock Price Index and
22. Waste Management in India - Need of the hour
23. Rain Water Harvesting - a solution to water crises
24. Digital India- Step towards the future

### **PHYSICAL EDUCATION**

1. What do you mean by kyphosis?
2. Explain flat foot with precaution and remedies.
3. Describe knock-knock-knees and its causes.
4. Enlist the symptoms of female athletes trade.
5. What are the corrective measures of flat foot?
6. Explain the exercise guidelines for different age groups.
7. What is planning right any four objective of planning?
8. Explain the management of sport events.
9. What are the responsibilities of publicity committee?
10. Draw the fixture 45 teams on the basis of league tournament with cyclic method.
11. Explain knockout tournament.
12. Complete
  - A. Practical record book,
  - B. Practical 1,
  - C. Fitness test administration for all items.