

RAHUL MODEL SENIOR SECONDARY PUBLIC SCHOOL
Recognised & Affiliated to CBSE
Railway Road, Sadh Nagar-II, Palam Colony, New Delhi

SUMMER HOLIDAY HOMEWORK
CLASS – XII COMMERCE

ENGLISH

1. Write Notices on the following occasions (one of each category) (3x4=12 Marks)

(Do this in English notebook)

- a. Tours
- b. Sports
- c. Cultural / Extra- curricular activities
- d. Appeals

2. Write articles on the following topics (Word-limit 150- 200) (4x4=16 Marks)

(Do this in English notebook)

- a. My vision of future India
- b. Digital education in India
- c. Women safety in India
- d. 50- years of Earth Day

3. Letter to the Editor (150-200 words) (Do this English notebook) (4x4=16 Marks)

- a. Address topics like rising cybercrime,
- b. the need to ban plastic bags,
- c. increasing traffic jams,
- d. neglect of historical monuments.

4. Advertisements & Invitations (Do this in English notebook) (1x3= 3 Marks)

Design a colourful, creative, handwritten advertisement for a local summer event or an invitation for a fictitious launch party.

5. Make a collage- highlights the writers and poets featured in CBSE class 12 curriculum (Flamingo and vistas), incorporating their key literary contributions. **(1x3= 3 Marks)**

(Do this in A3 size sheet)

ACCOUNTANCY

3 Marks Questions

1. A, B and C are partners sharing profits equally. A had given loan to firm on 1 September, 2024 of Rs.200000; it was agreed that interest will be paid @12% p.a. Interest was paid by cheque up to February,2025 on 1st March and balance was paid on 5th April 2025.

Pass Journal Entries for interest on loan by partner for the year ended 31st March 2025.

2. Rishi and Suman were partners in a firm. Their Capitals were- Rishi Rs.120000 and Suman Rs.80000. The normal rate of return in similar business is 12%. The profits of the last four years were:

2019-20	Rs.33000
2020-21	Rs.22000
2021-22	Rs.31000

2022-23

Rs.34000

Calculate Goodwill of the firm based on:

- (i) Three years purchase of the last four years Average profit.
- (ii) Capitalistaion of Super profit method

3. X, Y and Z are partners sharing profits in ratio of 5:3:2. Calculate New Profit sharing ratio, sacrificing ratio, gaining ratio in each of the following cases:

- (i) As per new agreement, Z takes $\frac{1}{5}$ share from X.
- (ii) As per new agreement, Z takes $\frac{1}{5}$ share equally from X and Y.
- (iii) As per new agreement Z will get $\frac{1}{4}$ share in future profits.

4. Madan and Mohan are partners in a firm sharing profits in the ratio 3:2. Gopal is admitted as new partner for $\frac{3}{10}$ share of profits half of which is gifted by Madan and the remaining share is taken by Gopal equally from Madan and Mohan.

Calculate New Profit Sharing Ratio.

4 Marks Questions

5. X and y are partners sharing profits and losses in the ratio 3:2. They admit Z as a partner for $\frac{1}{5}$ th share. Z gets his share from X and Y in the ratio of 2: 3. Goodwill of the firm is valued at Rs.50000. Z bring 60% of his share of Goodwill and Rs.20000 as his capital through cheque. Goodwill exists in the books at Rs.20000. Pass necessary Journal entries.

6. A, B and C are partners sharing profit in the ratio 5:3:2. They decided future profits in the ratio 2:3:5 with effect from 1st April 2025. They also decide to record the effect of the following without affecting their book value.

General Reserves	Rs.300000
Investment fluctuation Reserve	Rs.50000
Workmen compensation reserve	Rs.100000
Profit and Loss A/c(Cr.)	Rs.150000
Advertisement Suspense A/c(Dr.)	Rs.200000

Pass an adjustment entry.

7. On 1st April 2025, a firm had Assets of Rs.600000 including cost Rs.10000. Partners' Capital Accounts were Rs.400000 and the Reserve being the rest. If normal rate of return is 20% and Goodwill valued at Rs.400000 at four years purchase of Super profit. Find the average profit of the firm.

8. Calculate amount of drawing in following cases-

- (i) When interest on drawing is Rs.1300 and partner withdraw a uniform amount in the beginning of each month –I.O.D charged @10% p.a.
- (ii) When I.O.D is 900 and partner withdraw a uniform amount at the end of each quarter and rate of I.O.D @10% p.a.

9. A, R and S were partners in a firm sharing profit and losses in the ratio of 2:2:1. Their fixed capitals were Rs.100000, Rs.60000 and Rs.40000 respectively. For the year ended 31st March 2025 interest on capital was credited to their Capital accounts @9% p.a. instead of 7% p.a. Pass the necessary adjustment Journal Entry.

6 Mark Questions

10. M, B and K are partners sharing profits in the ratio 6:4:1. K is guaranteed a minimum profit of Rs.200000. The firm incurred loss of Rs.2200000 for the year and 31st March 2025.

Pass necessary Journal entry regarding deficiency borne by M and B and prepare profit and loss appropriate account.

11. Ram, Mohan, Sohan and Hari were partners in a firm sharing profits in the ratio of 4:3:2:1. On 1st April 2024 their balance sheet was as follows:-

Liabilities	Rs.	Assets	Rs.
Capital A/c's		Fixed Assets	900000
Ram 400000		Current assets	520000
Mohan 450000			
Sohan 250000			
Hari 200000	1300000		
Workmen Compensation Resrve	120000		
	1420000		1420000

They decided to share future profits in the ratio 1:2:3:4. For this purpose the Goodwill of the farm valued at Rs.180000. The partners also agreed for the following:-

- The claim for workmen compensation has been estimated at Rs.150000.
- Adjust the capitals of the partners according to new profit sharing ratio by opening partner's current accounts.

Prepare Revaluation Account, Partners capital account and Balance sheet of the reconstituted firm.

12. M and G were partners in a firm sharing profits and losses in the ratio of 3:1. Their balance sheet as at 31st March 2024 was as follows:-

Liabilities	Rs.	Assets	Rs.
Capital A/c's		Machinery	470000
M 300000		Investment	110000
G 200000	500000	Debtors 120000	
Workmen Compensation Fund	60000	-Provision (10000)	110000
Creditors	190000	Stock	140000
Employees Provident Fund	110000	Cash	30000
	860000		860000

On 1st April 2024, they admitted J into partnership for 1/4th share in the profits of the Firm. J brought Rs.186000 as his capital and Rs.40000 as his share of Goodwill.

The following terms were agreed upon :-

- Stock was found undervalued by Rs.23000.
- 20% of the Investment were taken over by G at book value.
- Claim on account of Workmen's Compensation amount to Rs.70000, which was to be paid later.
- Creditors included a sum of Rs.27000 which was not likely to be claimed.

Prepare Revaluation Account and Partner's Capital Accounts on J's admission.

Note:-

- Do the assignment in separate ruled sheets.
- Solve Periodic test paper in Notebook.

BUSINESS STUDIES

3 Marks Questions

1. What is meant by Management? State any two features of Management.
2. What is meant by principles of Management? State any two points of their importance.
3. State any three features of business environment.
4. Define planning? Explain the first two steps in the process of planning.

4 Marks Questions

5. Mohan is working as supervisor in Alpha Ltd. to achieve the target, he wants to try a new method and different way of allocating the work. His superior didn't permit him and forced him to do the work strictly as per the plan.
 - (i) Name the limitation of planning indicated in the above para.
 - (ii) Name the value overlooked by Mohan.
6. Mr. Ajay after completing MBA from USA comes to India to start a new business under the banner Ecom creations Ltd. He launches a new product in e-Learning for Senior Secondary School students in commerce stream, which already has an established market in UK and USA but not in India. His business starts flourishing in India. Now more Indian Companies entered into the market with other subject also. Identify and quote the lines from our para which highlight the significance of understanding business environment.
7. Which principle of management is violated in following situations?
 - (i) When a worker receives order from more than one boss.
 - (ii) When the employee is given responsibility to achieve target production of 500 units with no authority to access over raw material.
 - (iii) When worker is wasting time in search of Toolbox in the organization.
 - (iv) When manager grants one month medical leave to a supervisor with pay and only one week medical leave to accountant.

8. Aman and Raman are employees working in Dazzling Enterprises dealing in costume and jewellery. The firm secured an urgent order for 1000 bracelets that were to be delivered within 4 days. They were assigned the responsibility of producing 500 bracelets each at a cost of Rs.100 for bracelet. Aman was to produce the required number within the stipulated time at the cost of Rs.55000 whereas Raman was able to produce only 450 units at a cost of Rs.90 per unit. State whether Aman and Raman are efficient and effective. Give reasons to justify your answer.

9. Mr. Malhotra, finance manager of ABC Ltd. applied for leave to attend family function in Amritsar. The director of the company requested him to cancel his leave as there is an important meeting scheduled on that date. Mr. Malhotra immediately agreed and cancelled the trip as he thought attending meeting is more important for company's benefit. Which principle of Fayol is applied by Mr. Malhotra?

6 Marks Questions

10. Explain with example the various dimensions of business environment.
11. Explain the following limitations of planning functions of Management-
 - (i) Planning may not work in a dynamic environment.
 - (ii) Planning leads to rigidity
 - (iii) Planning is time consuming
12. Explain the following principles of management-

- (i) Science not Rule of thumb
- (ii) Division of work
- (iii) Authority and Responsibility
- (iv) Harmony, not discord
- (v) Discipline
- (vi) Order

Note:-

- Do the assignment in separate ruled sheets
- Solve periodic test paper in Notebook

ECONOMICS

I. Answer the following questions in 60-70 words-

(3 x 5 = 15)

1. During the colonial period the agricultural sector showed massive stagnation. Do you agree with the given statement? Justify your answer with valid arguments.
2. Explain structural composition and structural change.
3. Marginal farmers are subsistence farmers. Do you agree?
4. Define brain drain and explain why it is considered a significant restricting human capital formation in India?
5. There exists positive correlation between human capital formation and economic growth of a nation. Explain.

II. Answer the following questions in 70-80 words.

(4 x 4 = 16)

1. What is difference between stock and flow?
2. What are bad inflect on agriculture?
3. What is difference between macro and micro economics?
4. Distinguish between the following:
 - (a) Bilateral and multilateral sale
 - (b) Tariff and non-tariff barriers.

III. Answer the following in 100-125 words.

1. India is often called at outsourcing destination of the world. Discuss the prime reasons for this name given to India.
2. Explain two sector model of economy with the help of a diagram.
3. Money is medium of exhaust. Explain the evolution of money with example.
4. Explain policy strategies promoting globalisation of the Indian Economy.
5. Solve economics questions paper of PT-1

हिंदी

प्रश्न 1 निम्न विषयों पर रचनात्मक लेख लिखिए।

(15)

- (i) खेलों के क्षेत्र में उभरता भारत
- (ii) अनेक देशों में आपसी युद्ध के कारण, अर्थव्यवस्था पर विश्वव्यापी असर।
- (iii) विद्यालय में स्वच्छता अभियान

प्रश्न 2 (क) रेडियो समाचार लेखन में किन बुनियादी बातों का ध्यान आवश्यक होता है?

(3)

(ख) मुद्रित माध्यमों की विशेषताएँ बताइए। (2)

(ग) इंटरनेट पत्रकारिता की खूबियों और कमियों का उल्लेख कीजिए। (3)

प्रश्न 3 निम्नलिखित प्रश्नों के उत्तर दीजिए - (2 x 3 = 6)

(क) 'प्रेमधन की छाया-स्मृति' पाठ में रामचंद्र शुक्ल ने चौधरी साहब के व्यक्तित्व के किन पहलुओं का वर्णन किया है?

(ख) 'बालक बच गया' प्रसंग में 'जीवित वृक्ष के हरे पत्तों का मर्मर' किसे कहा गया है? उसे सुनकर लेखक को कैसा लगा ?

(ग) 'आँखों देखा ढेला अच्छा ही होना चाहिए लाखों कोस को तेज पिंड से'। 'ढेले चुन लो' से उद्धृत प्रस्तुत पंक्ति में निहित व्यंग्य स्पष्ट कीजिए।

प्रश्न 4 निम्नलिखित प्रश्नों के उत्तर दीजिए - (2 x 3 = 6)

(क) 'सरोज स्मृति' कविता का प्रतिपाद्य लिखिए।

(ख) 'भरत-राम का प्रेम' कविता में राम के स्वभाव की किन विशेषताओं की ओर संकेत किया गया है?

(ग) 'रहि चकि चित्रलिखी-सी' पंक्ति के संदर्भ में राम के वियोग से माता कौशल्या की मनः स्थिति का वर्णन कीजिए।

प्रश्न 5 निम्नलिखित प्रश्नों के उत्तर दीजिए - (5 x 2 = 10)

(क) प्रेमचंद के विषय में अपने विचार व्यक्त कीजिए।

(ख) 'सूरदास की झोपड़ी' पाठ के आधार पर तत्कालीन समाज में नारी की स्थिति का वर्णन कीजिए। आज उनकी स्थिति में क्या अंतर है?

क्रियाकलाप

- जनसंचार के माध्यमों को चार्ट अपर दर्शाकर उनका महत्व भी बताइए। (5)

नोट:

सभी प्रश्न कॉपी में करने हैं।

MATHEMATICS

Q01. If A, B and C are square matrices of order 3 and $|BC| = 2|A|$, then find $|2A^{-1}BC|$.

OR

If $A = \begin{bmatrix} 2 & 0 & 0 \\ 0 & 3 & 0 \\ 0 & 0 & 5 \end{bmatrix}^{-1}$, then find matrix A.

Q02. Let A(1, 3), B(0, 0) and C(k, 0). Using determinants, find k when the area of ΔABC is 3 square units.

Q03. If $\begin{vmatrix} x & \sin \theta & \cos \theta \\ -\sin \theta & -x & 1 \\ \cos \theta & 1 & x \end{vmatrix} = 8$, then write the value of x, $x \in \mathbb{R}$.

Q04. If $f(x) = \begin{vmatrix} a & -1 & 0 \\ ax & a & -1 \\ ax^2 & ax & a \end{vmatrix}$, then find $f'(x)$.

Q05. Find $|3AB|$, if $A = \begin{bmatrix} 2 & 5 \\ 1 & 3 \end{bmatrix}$ and $B = \begin{bmatrix} 5 & 3 \\ 4 & 2 \end{bmatrix}$.

Q06. If A, B and C are angles of a triangle, then find the value of $\begin{vmatrix} \sin(A+B+C) & \sin B & \cos C \\ -\sin B & 0 & \tan A \\ \cos(A+B) & -\tan A & 0 \end{vmatrix}$.

Q07. If $A = \begin{pmatrix} 2 & 1 & -1 \\ 3 & 1 & -2 \\ 1 & 0 & -1 \end{pmatrix}$ such that $AB = BA = O$, then find B; when it is given that B is non-zero matrix.

OR

If $A = \begin{bmatrix} 5 & 0 & 4 \\ 2 & 3 & 2 \\ 1 & 2 & 1 \end{bmatrix}$ and $B^{-1} = \begin{bmatrix} 1 & 3 & 3 \\ 1 & 4 & 3 \\ 1 & 3 & 4 \end{bmatrix}$, find $(AB)^{-1}$. Also, find $|(AB)^{-1}|$.

Q08. **CASE STUDY :** A scholarship is a sum of money provided to a student to help him or her pay for education. Some students are granted scholarships based on their academic achievements, while others are rewarded based on their financial needs.

Every year a school offers scholarships to girl children and meritorious achievers based on certain criteria. In the session 2022-23, the school offered monthly scholarship of ₹3000 each to some girl students and ₹4000 each to meritorious achievers in academics as well as sports.



In all, 50 students were given the scholarships and monthly expenditure incurred by the school on scholarships was ₹180000.

Based on the above information, answer the following questions.

- (i) Express the given information algebraically using matrices.
- (ii) Check whether the system of matrix equations so obtained is consistent or not.

(iii) Find the number of scholarships of each kind given by the school, using matrices.

(iv) Had the amount of scholarship given to each girl child and meritorious student been interchanged, what would be the monthly expenditure incurred by the school?

Q09. If $A = \begin{bmatrix} 1 & 2 & 1 \\ 1 & 0 & 3 \\ 2 & -3 & 0 \end{bmatrix}$, find A^{-1} .

Using the above obtained inverse of matrix A, solve the following system of equations :
 $x + 2y + z = 7$, $x + 3z = 11$, $2x - 3y = 1$.

Q10. If $A = \begin{bmatrix} 1 & -1 \\ 2 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 0 & 1 \\ 2 & 4 \end{bmatrix}$, $C = \begin{bmatrix} -1 & 2 \\ 1 & -4 \end{bmatrix}$ and $AB - CD = O$ then, find the matrix D.

OR

Find the product $\begin{bmatrix} 1 & -1 & 0 \\ 2 & 3 & 4 \\ 0 & 1 & 2 \end{bmatrix} \begin{bmatrix} 2 & 2 & -4 \\ -4 & 2 & -4 \\ 2 & -1 & 5 \end{bmatrix}$.

Hence, solve the given system of equations : $x - y = 3$, $2x + 3y + 4z = 17$, $y + 2z = 7$.

Topics - Inverse Trig. Functions

- Q01. Find the domain of $f(x) = \sin^{-1}(3x - 4) + \cos^{-1} x$. Also, find the range of $f(x)$.
- Q02. Draw the graph of $y = \cos^{-1} x$, where $x \in \left[-1, \frac{1}{2}\right]$. Also, write its range.
- Q03. Using principal values, find the value of $(m + n)$, where $m = 4 \sin^{-1}\left(-\frac{\sqrt{2}}{2}\right) + 2 \cot^{-1}(-1) - \sec^{-1}\left(\frac{2}{\sqrt{3}}\right)$ and $n = \tan^{-1}(1) + \cos^{-1}\left(-\frac{1}{2}\right)$.
- Q04. Using principal values, find the value of $\tan^{-1}\left(\tan \frac{12\pi}{11}\right) + \sin^{-1}\left(\sin \frac{9\pi}{10}\right)$.
- Q05. Find the value of $2 \sin^{-1} x - 3 \cos^{-1} x$, if $x^2 + 2x + 1 = 0$.
- Q06. Find the real solutions of the equation : $\tan^{-1}\sqrt{x(x+1)} + \sin^{-1}\sqrt{x^2+x+1} = \frac{\pi}{2}$.

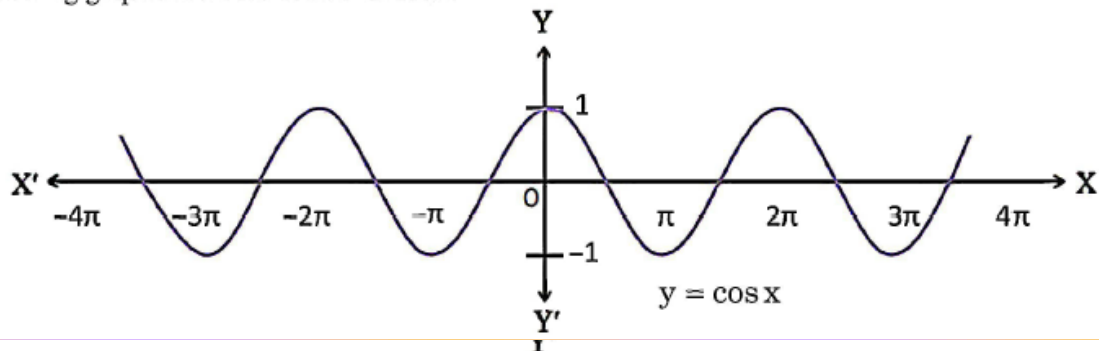
- Q07. Express $\tan^{-1}\left(\frac{\cos x}{1 - \sin x}\right)$, $-\frac{\pi}{2} < x < \frac{\pi}{2}$ in the simplest form.

OR

Simplify : $\cos^{-1} x + \cos^{-1}\left[\frac{x}{2} + \frac{\sqrt{3-3x^2}}{2}\right]$; $\frac{1}{2} \leq x \leq 1$.

- Q08. **PASSAGE BASED QUESTION :** If a function $f : X \rightarrow Y$ defined as $f(x) = y$ is one-one and onto, then we can define a unique function $g : Y \rightarrow X$ such that $g(y) = x$, where $x \in X$ and $y = f(x)$, $y \in Y$. Function g is called the inverse of f .

The domain of cosine function is \mathbb{R} and function cosine : $\mathbb{R} \rightarrow \mathbb{R}$ is neither one-one nor onto. The following graph shows the cosine function.



Let cosine function be defined from set A to $[-1, 1]$ such that inverse of cosine function exists, i.e., $\cos^{-1} x$ is defined from $[-1, 1]$ to A .

On the basis of above information, answer the following questions.

- (i) If A is the interval other than principal value branch, give an example of one such interval.
- (ii) If $\cos^{-1} x$ is defined from the interval $[-1, 1]$ to its principal value branch, then find the value of $\cos^{-1}\left(\frac{\sqrt{3}}{2}\right) - \cos^{-1}(-1)$.

(iii) Find the domain of $f(x) = 2 \cos^{-1}(1-x)$.

(iv) Find the range of $f(x) = 2 \cos^{-1}(1-x)$, if $x \in [0, 1]$.

Q09. Find the interval, in which $\cos^{-1} x > \sin^{-1} x$.

Q10. If $\cos^{-1} x + \cos^{-1} y + \cos^{-1} z = \pi$, then prove that $x^2 + y^2 + z^2 + 2xyz = 1$.

OR

Simplify : $\cot^{-1} \left[\frac{1}{\sqrt{x^2 - 1}} \right]$, $x < -1$.

PHYSICAL EDUCATION

1. CWSN games (5-7 pages)
2. Any one Olympic Games (8-10 pages)
3. Yoga Asana (Any 10)

Note:

Do all the work in Project File (Lab Manual)