

HOLIDAY HOME WORK
CLASS XII-COMMERCE

HINDI:

1. 'शैक्षणिक भ्रमण 2026: एक अनोखा अनुभव' विषय के आधार पर यात्रा-वृत्तांत। (अभ्यास-पुस्तिका में, अधिकतम 2 पृष्ठ)
2. 'देश के प्रति हमारा उत्तरदायित्व' अथवा 'शांति-सद्भावना' विषय पर गीत रचना। (अभ्यास-पुस्तिका में, न्यूनतम 12 पंक्तियाँ)

ENGLISH:

- XII – Synopsis presentation (1000 Words)
- Attributes
- Title
- Introduction – 100 words
- Objective – 100 words
- Problem Statement
- Methodology – 100 words
- Target Group
- Tools Used
- Data Collection (Types)
- Analysis (Topic) – 100 words
- Findings / Observation – 100 words
- Conclusion – 100 words
- Suggestion / Recommendation – 100 words
- Learning Experience – 100 words
- Bibliography
- Appendix – 100 words
- a) Questionnaire
 - b) Interview Transcripts
 - c) Survey Forms

MATHS:

Q-1 find principal value of $\sin^{-1}(-1/2)$

Q-2 Evaluate $\tan^{-1}(3)^{1/2} - \sec^{-1}(-2)$

Q-3 simplify the expression $\cos^{-1}(\cos 7\pi/6)$

Q-4 prove

$$\sin^{-1}(2x/\sqrt{1+x^2}) = 2\tan^{-1}(x)$$

Q-5 Solve for x

$$\tan^{-1}2x + \tan^{-1}3x = \pi/4$$

Q6 draw graphs of ITF

3. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be defined by $f(x) = x^2$. Then, f is

- (a) one-one onto
- (b) many-one onto
- (c) one-one but not onto
- (d) many one into

4. Which of the following function from \mathbb{R} to \mathbb{R} is one-one function?

- (a) $f(x) = e^x$
- (b) $g(x) = e^{x^2}$
- (c) $h(x) = \sin x$
- (d) $\phi(x) = \cos x$

5. The range of the function $f: \mathbb{R} \rightarrow \mathbb{R}$ given by $f(x) = x - [x]$ is

- (a) $[0,1]$
- (b) \mathbb{R}
- (c) $\mathbb{R} - \mathbb{Z}$
- (d) $[0,1)$

6. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function defined by $f(x) = x^3 + 1$, then f is

- (a) injective but not surjective
- (b) surjective but not injective
- (c) bijective
- (d) neither injective nor surjective

7. If $f: [3,\infty) \rightarrow B$ given by $f(x) = x^2 - 6x + 14$ is a bijection, then B is equal to

- (a) $[3,\infty)$
- (b) $[5,\infty)$
- (c) $(5,\infty)$

(d) R

8. Let $A = \{1,2,3,4\}$ and $B = \{x,y,z,t,u,v\}$. Then, the number of one-one functions from A to B is

(a) 15

(b) 24

(c) 360

(d) 6■

9. Let $A = \{1,2,3,4,5\}$ and $B = \{2,4\}$. Then, the number of onto functions from A to B is

(a) 30

(b) 32

(c) 25

(d) 10

10. Let $f: Z \rightarrow Z$ be given by: $f(x) = x/2$ if x is even, and 0 if x is odd. Then f is

(a) one-one but not onto

(b) onto but not one-one

(c) one-one and onto

(d) neither one-one nor onto

23. The number of possible reflexive relations on a set consisting of 3 elements is

(a) 512

(b) 64

(c) 256

(d) 128

24. The relation $R = \{(1,1), (2,2), (3,3)\}$ on the set $\{1,2,3\}$ is

(a) symmetric only

(b) reflexive only

(c) an equivalence relation

(d) transitive only

25. S is a relation over the set R of all real numbers and it is given by $(a,b) \in S$ iff $ab \geq 0$. Then, S is

(a) symmetric and transitive only

(b) reflexive and symmetric only

(c) antisymmetric relation

(d) an equivalence relation

26. In the set Z of all integers, which of the following relation R is not an equivalence relation?

(a) $xRy : \text{if } x \leq y$

- (b) xRy : if $x = y$
 (c) xRy : if $x-y$ is an even integer
 (d) xRy : if $x \equiv y \pmod{3}$
27. The number of possible symmetric relations on a set consisting of 4 elements is
 (a) 512
 (b) 1024
 (c) 256
 (d) 32
28. The smallest equivalence relation defined on the set $\{4,5\}$ is
 (a) $\{\}$
 (b) $\{(4,5)\}$
 (c) $\{(4,4),(5,5)\}$
 (d) $\{(4,5),(5,4)\}$
29. Let $A = \{x, y, z\}$. The relation on A which is not an equivalence relation is
 (a) $\{(x,x), (y,y), (z,z)\}$
 (b) $\{(x,x), (y,y), (z,z), (x,y), (y,x)\}$
 (c) $\{(x,x), (y,y), (z,z), (y,z), (z,y)\}$
 (d) $\{(x,x), (y,y)\}$
30. Let T be the set of all triangles in the Euclidean plane, and let a relation R on T be defined as aRb if a is congruent to b. Then, R is
 (a) reflexive but not symmetric
 (b) transitive but not symmetric
 (c) equivalence
 (d) none of these

ACCOUNTANCY :

Solve the numericals of fundamentals of partnership, past adjustment, Guarantee of a partner, Change in profit sharing ratio, Accounting treatment of Goodwill & Admission of a partner. (NCERT BOOK) **Revise and Retain the Concept.**

Class XII Accountancy Project

Topic: Admission of a Partner

Project Title

Admission of a New Partner in M/s Alpha Traders – Analysis of Capital Adjustment & Goodwill Treatment

Objective

To understand the accounting treatment and effects of admission of a new partner on the existing partnership firm as per AS-26 and Partnership Act, 1932.

Hypothetical Case

Ravi and Mohan are partners in a firm sharing profits in 3:2. Their Balance Sheet as on 31st March 2026 is given below. On 1st April 2026, they admit Sohan as a new partner for 1/4th share on the following terms.

Balance Sheet of Ravi & Mohan as on 31.03.2026

Liabilities	Amount (₹)	Assets	Amount (₹)
Capital : Ravi 80,000 Mohan 60,000	1,40,000	Cash at bank	25,000
Creditors	30,000	Debtors 40,000 Less :provision 2,000	38,000
Workman Compensation Reserve	10,000	Stock Furniture	50,000 22,000
		Building	45,000
Total	1,80,000	Total	1,80,000

Terms of Admission:

1. Sohan brings ₹50,000 as capital and ₹20,000 for his share of goodwill in cash.
2. Building to be appreciated by ₹15,000.
3. Furniture to be reduced to ₹18,000.
4. Provision for doubtful debts to be increased to ₹3,000.
5. Workmen Compensation Claim is estimated at ₹6,000.
6. New profit sharing ratio of Ravi, Mohan, Sohan = 2:2:1.

Project Work Requirements

Part A: Theoretical Framework – 2 Pages

1. Meaning of Admission of Partner
2. Adjustments required at admission: Goodwill, Revaluation, Reserves, Capital
3. New Profit Sharing Ratio & Sacrificing Ratio calculation

Part B: Practical Problems – 3 to 4 Pages

1. ***Calculate Sacrificing Ratio***

Old Ratio = 3:2, New Ratio = 2:2:1 → Sacrifice by Ravi & Mohan

2. ***Pass Journal Entries for:***

- Capital & goodwill brought in cash by Sohan
- Goodwill distributed to old partners
- Revaluation of assets & liabilities
- Treatment of Workmen Compensation Reserve

3. ***Prepare Revaluation Account***

4. ***Prepare Partners' Capital Accounts***

5. ***Prepare Balance Sheet of new firm after admission***

Part C: Analysis & Conclusion – 1 Page

1. How did Sohan's admission affect the capital of old partners?
2. Why is goodwill paid by new partner?
3. Impact of revaluation on firm's financial position

***Part D: Viva Questions* – Prepare 5 expected questions**

Ex: _Q1. Why is sacrificing ratio calculated?_

Submission Format

1. Cover Page: Name, Class, Roll No., Topic
2. Certificate & Acknowledgement
3. Index
4. Project Content as above
5. Bibliography: NCERT Class XII Part-1, T.S. Grewal

Scoring Tip: CBSE awards marks for neat ledger formats, correct ratios, and proper narration in journal entries. Use ruled sheets for accounts.

BUSINESS STD.:

choose any one of the topics mentioned below-

BUSINESS STUDIES 1. Prepare the project work on the topic allotted- ❖ Project A :

MARKETING MANAGEMENT ❖ Project B :BUSINESS ENVIRONMENT ❖ Project C :-

STOCK EXCHANGE ❖ Project D :- PRINCIPLES OF MANAGEMENT Guidelines to be followed:- Project A: MARKETING MANAGEMENT (A.) On the basis of the work done by the students the project report should include the following: 1. Why have they selected this product/service? 2. Find out '5' competitive brands that exist in the market. 3. What permission and licenses would be required to make the product? 4. What are your competitors Unique Selling Proposition [U.S.P.]? 5. Does your product have any range give details? 6. What is the name of your product? 7. Enlist its features. 8. Draw the 'Label' of your product. 9. Draw a logo for your product. 10. Draft a tag line. 11. What is the selling price of your competitor's product? (i) Selling price to consumer (ii) Selling price to retailer (iii) Selling price to wholesaler What is the profit margin in percentage to the a. Manufacturer. b. Wholesaler. c. Retailer. 12. How will your product be packed? 13. Which channel of distribution are you going to use? Give reasons for selection? 14. Decisions related to warehousing, state reasons. 15. What is going to be your selling price? (i) To consumer (ii) To retailer (iii) To wholesaler 16. List 5 ways of promoting your product. 17. Any schemes for (i) The wholesaler (ii) The retailer (iii) The consumer 18. What is going to be your 'U.S.P? 19. What means of transport you will use and why? 20. Draft a social message for your label. 21. What cost effective techniques will you follow for your product. 22. What cost effective techniques will you follow for your promotion plan. At this stage the students will realize the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing. A. PRODUCT B. PLACE C. PRICE D. PROMOTION Project B: BUSINESS ENVIRONMENT 1. Changes witnessed over the last few years on mode of packaging and its economic impact. It may include the following changes: a) The changes in transportation of fruits and vegetables such as cardboard crates being used in place of

wooden crates, etc. Reasons for the above changes. b) Milk being supplied in glass bottles, later in plastic bags and now in tetra pack and through vending machines. c) Plastic furniture [doors and stools] gaining preference over wooden furniture. d) The origin of cardboard and the various stages of changes and growth. e) Brown paper bags packing to recycled paper bags to plastic bags and cloth bags. f) Re use of packaging [bottles, jars and tins] to attract customers for their products. g) The concept of pyramid packaging for milk. h) Cost being borne by the consumer/manufacturer. i) Packaging used as means of advertisements. 2. The reasons behind changes in the following:

Coca – Cola and Fanta in the seventies to Thums up and Campa Cola in the eighties to Pepsi and Coke in nineties. The teacher may guide the students to the times when India sold Coca Cola and Fanta were being manufactured in India by the foreign companies.

The students may be asked to enquire about a. Reasons of stopping the manufacturing of the above mentioned drinks in India THEN. b. The introduction of Thums up and Campa cola range. c. Re entry of Coke and introduction of Pepsi in the Indian market. d. Factors responsible for the change. e. Other linkages with the above. f. Leading brands and the company having the highest market share. g. Different local brands venturing in the Indian market. h. The rating of the above brands in the market. i. The survival and reasons of failure in competition with the international brands. j. Other observations made by the students

3. Changing role of the women in the past 25 years relating to joint families, nuclear families, women as a bread earner of the family, changes in the requirement trend of mixers, washing machines, micro wave and standard of living. 4. The changes in the pattern of import and export of different Products. 5. The trend in the changing interest rates and their effect on savings. 6. A study on child labour laws, its implementation and consequences. 7. The state of 'anti

plastic campaign,' the law, its effects and implementation. 8. The laws of mining /setting up of industries, rules and regulations, licences required for running that business. 9. Social factors affecting acceptance and rejection of an identified product. (Dish washer, Atta maker, etc) 10. What has the effect been on the types of goods and services? The students can take examples like: a. Washing machines, micro waves, mixers and grinder. b. Need for crèche, day care centre for young and old. c. Ready to eat food, eating food outside, and tiffin centres. 11. Change in the man-machine ratio with technological advances resulting in change of cost structure. 12. Effect of changes in technological environment on the behaviour of employee.

Project C :- STOCK EXCHANGE

Project D: PRINCIPLES OF MANAGEMENT : The students are required to visit any one of the following: 1. A departmental store. 2. An Industrial unit. 3. A fast food outlet. 4. Any other organisation approved by the teacher. They are required to observe the application of the general Principles of management advocated by Fayol. Fayol's principles are: 1. Division of work 2. Unity of command. 3. Unity of direction. 4. Scalar chain 5. Espirit de corps 6. Fair remuneration to all 7. . Order 8. Equity 9. . Discipline 10. . Subordination of individual interest to general interest. 11. Initiative. 12. Centralisation and decentralisation. 13. Stability of tenure. OR They may enquire into the application of scientific management techniques by F.W. Taylor in the unit visited.

Scientific techniques of management. 1. Functional foremanship. 2. Standardization and simplification of work. 3. Method study. 4. Motion Study. 5. Time Study. 6. Fatigue Study 7. Differential piece rate plan. Tips to teacher (i) The teacher may organize this visit. (ii) The teacher should facilitate the students to identify any unit of their choice and guide them to identify the principles that are being followed. (iii) Similarly they should guide the students to identify the techniques of scientific management implemented in the

organization. (iv) It may be done as a group activity. (v) The observations could be on the basis of The different stages of division of work resulting to specialization. Following instructions and accountability of subordinates to higher authorities. Visibility of order and equity in the unit. Balance of authority and responsibility. (B.) PRESENTATION AND SUBMISSION OF PROJECT REPORT OF PROJECT A ,B AND C The following essentials are required to be fulfilled for its preparation and submission. 1. The total length of the project will be of 25 to 30 pages. 2. The project should be handwritten. 3. The project should be presented in a neat folder. 4. The project report should be developed in the following sequence

a) The cover page should include the title of the Project, student information, school and year. c) List of contents. d) Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped). e) Introduction. f) Topic with suitable heading. g) Planning and activities done during the project, if any. h) Observations and findings of the visit. i) Conclusions (summarised suggestions or findings, future scope of study). j) Photographs (if any). k) Appendix. l) Teacher's observation. m) Signature of the teacher.

Instructions: 1. The work has to be done on A4 size interleaf sheets. 2. It should be written in neat handwriting. 3. The file should not be spiraled. 4. The project should be hand written and no print-outs to be used for content writing.

2. Revise chapter 1 and 2 for the upcoming Periodic Test

ECONOMICS (030)

1. Prepare the Board Project File neatly and systematically for Practical Examination.
2. Write an original article in about 200 words on any one of the following topics in A4 Sheet.
 - “From Cash to QR Code Economy”
 - “Freedom or Insecurity? The Reality of Gig Workers”
 - “Orange Economy: Turning Talent into Wealth”

- “AI Revolution: Threat or Opportunity for Employment?”
3. Solve all the numericals of “Aggregates of National Income” from textbook.
 4. Prepare a separate notebook page for important formulas related to National Income (NI).
 5. Make a creative Mind Map of Chapter–2:
“Indian Economy (1950–1990)” including:
 - Goals of Five Year Plans
 - Agriculture
 - Industry
 - Trade Policy
 - Green Revolution
 - LQP Policy and licence Raj
 6. Revise all completed chapters regularly for better conceptual understanding.

BANKING (811)

1. Prepare the Banking Project File neatly and systematically for Board Examination.
2. Revise Chapter–1 “Ancillary Services of Banks” thoroughly for the Quarter–1 Test.
3. Make a creative Mind Map of Chapter–2 “Organisation of Banking”.
4. Prepare a Board Practical File on the following topics with the help of sample formats provided in class:
 - Letter of Credit (LC)
 - Demand Draft (DD)
 - Cheques
 - NEFT & RTGS
 - Credit Card and Debit Card
 - ATM Machine

Students have to neatly fill the entries/details in the given sample formats and attach them properly in the practical file.

5. Write an original article in about 200 words on ANY ONE of the following interesting topics:
 - “Financial Inclusion: Bringing Banking to Every Doorstep”
 - “SIP Today, Financial Security Tomorrow”
 - “Money in Hand or Money in Bank: What is Safer?”

- “When Banks Suffer: Impact of NPA on Banking Health and Mergers”
 - “From Piggy Bank to Digital Banking: Changing Saving Habits”
 - “Cashless India: Convenience or Dependency?”
 - “Cyber Safety in Banking: A Need of the Digital Age”
6. Write all the banking abbreviations from Chapter–1 and Chapter–2 in your notebook neatly with their full forms.
Example: DD – Demand Draft
 7. Maintain proper handwriting, presentation and creativity in all holiday homework work.

Hindustani Music vocal code (034)

1. Hand beat practice of **Rupak Tal** with Dugun, Tigun And Chauguni Layakari .
2. Hand beat practice of **Jhaptaal** with Dugun, Tigun And Chauguni Layakari.
3. Hand beat practice of Dhamar Tall With Dugun , Tigun And Chauguni Layakari.

Yoga Skill Subject (841)

Prepare notes for the topics given below -

1. Write the meaning, purpose and significance of **yoga sadhana**.
2. Write the principle and health benefits of
3. **Yogasana**.
4. Introduction of Pranayama and Dhyana and their health benefits.

PSYCHOLOGY

Conduct case study on any psychological attribute.

Physical Education (048)

Prepare a well notes

1. Management of Sporting Events

Prepare a file on organizing a school sports event

Include:

Committees and their responsibilities

Fixtures (Knock-out & League)

Importance of intramural competitions

Unit 2: Children and Women in Sports

Exercise guidelines for children

Postural deformities & corrective measures

Women participation in sports

Female athlete triad.

Mass Media Studies

Create a video after visiting any heritage site. The video should be of good quality and after using some editing software, compile your shots and make it into one video with your voice over. The time limit of the video is 1minute 30 seconds. Also click several photos of it and make a collage of good and neat photos with your experiences added to that collage.

Political Science

Make a project report on Israel, Iran and United States war and its international impact