

## Blue Print of ICO-2024 (Class : XII)

Combination	Subject Combinations	No. of Max. MCQs	No. of MCQs to be attempted	Marks	Duration
A (Mandatory)	Accountancy & Business Studies	60 MCQs (30 + 30 each)	25 + 25 each	50	60
B	Economics & English	60 MCQs (30 + 30 each)	25 + 25 each	50	60
C	Mathematics & General Test	60 MCQs (30 + 30 each)	25 + 25 each	50	60
Combination –A is mandatory, Student can select either Combination –B or C or Both. Out of Combination B and C, one combination is mandatory to select.					
Max. Duration -3 Hours					

**SYLLABUS : ACCOUNTANCY**  
**COMBINATION-1: ACCOUNTANCY & BUSINESS STUDIES**  
**ICO-2024/CBSE/CUET/NCERT**

**Combination -1 (Accountancy & Business Studies)**

There will be one Section of Accountancy which will have 30 questions out of which 25 questions need to be attempted.

**Part A: Accounting for Partnership Firms and Companies**

<p><b>Unit 1: Accounting for Partnership Firms :</b> Partnership: features, Partnership Deed. Provisions of the Indian Partnership Act 1932 in the absence of partnership deed., Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits., Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio)., Goodwill: meaning, nature, factors affecting and methods of valuation - average profit, super profit and capitalization.</p>	<b>4 Marks</b>
<p><b>Unit: 2 Accounting for Partnership firms -</b> Reconstitution and Dissolution.</p> <ul style="list-style-type: none"> <li>• Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities and treatment of reserves, accumulated profits and losses. Preparation of revaluation account and balance sheet.</li> <li>• Admission of a partner - effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and re-assessment of liabilities, treatment of reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and balance sheet.</li> <li>• Retirement and death of a partner: effect of retirement / death of a partner on change in profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and preparation of capital, current account and balance sheet. Preparation of loan account of the retiring partner. Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account.</li> <li>• Dissolution of a partnership firm: meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s))</li> </ul>	<b>12 Marks</b>

<p><b>Unit-3 Accounting for Companies</b></p> <ul style="list-style-type: none"> <li>• <b>Accounting for Share Capital</b> Features and types of companies, Share and share capital: nature and types., Accounting for share capital: issue and allotment of equity and preferences shares. Public subscription of shares - over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash., Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity., Accounting treatment of forfeiture and re- issue of shares., Disclosure of share capital in the Balance Sheet of a company.</li> <li>• <b>Accounting for Debentures</b> Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures. Writing off discount / loss on issue of debentures.</li> </ul>	<b>7 Marks</b>
<p><b>Unit 4: Analysis of Financial Statements</b> Financial statements of a Company: Meaning, Nature, Uses and importance of financial Statement., Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013) <b>Note:</b> Exceptional items, extraordinary items and profit (loss) from discontinued operations are excluded.</p> <ul style="list-style-type: none"> <li>• Financial Statement Analysis: Meaning, Significance Objectives, importance and limitations. Comparative and Common Size Financial Statements</li> <li>• Tools for Financial Statement Analysis.</li> </ul> <p><b>Ratio Analysis.</b></p> <ul style="list-style-type: none"> <li>• Accounting Ratios: Meaning, Objectives, Advantages, classification and computation.</li> <li>• Liquidity Ratios: Current ratio and Quick ratio.</li> <li>• Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. Debt to Capital Employed Ratio.</li> <li>• Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Fixed Asset Turnover Ratio, Net Asset Turnover Ratio and Working Capital Turnover Ratio.</li> <li>• Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment.</li> </ul> <p><b>Cash Flow Statement</b> Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)</p>	<b>7 Marks</b>

**SYLLABUS : BUSINESS STUDIES**  
**COMBINATION-1: ACCOUNTANCY & BUSINESS STUDIES**  
**ICO-2024 CBSE/CUET/NCERT**

**Combination-1 (Accountancy & Business Studies)**

There will one Section of Business Studies which will have 30 questions out of which 25 questions need to be attempted.

**Part A: Principles and Functions of Management**

<b>Unit 1: Nature and Significance of Management :</b> Management - concept, objectives, and importance, Management as Science, Art and Profession, Levels of Management, Management functions-planning, organizing, staffing, directing and controlling, Coordination- concept and importance	<b>6 Marks</b>
<b>Unit 2: Principles of Management</b> Principles of Management- concept and significance, Fayol's principles of management, Taylor's Scientific management- principles and techniques	
<b>Unit 3: Business Environment</b> Business Environment- concept and importance, Dimensions of Business Environment- Economic, Social, Technological, Political and Legal, Demonetization - concept and features	
<b>Unit 4: Planning-</b> Concept, importance and limitation, Planning process, Single use and standing plans. Objectives, Strategy, Policy, Procedure, method Rule, budget and Programme	<b>5 Marks</b>
<b>Unit 5: Organising</b> - Concept and importance, Organising Process, Structure of organisation- functional and divisional concept. Formal and informal organisation- concept, Delegation: concept, elements and importance, Decentralization: concept and importance	
<b>Unit 6: Staffing-</b> Concept and importance of staffing, Staffing as a part of Human Resource Management concept, Staffing process, Selection – process, Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training.	<b>8 Marks</b>
<b>Unit 7: Directing</b> -Concept and importance, Elements of Directing, Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives, Leadership - concept, styles - authoritative, democratic and laissez faire, Communication - concept, formal and informal communication; barriers to effective communication, how to overcome the barriers	
<b>Unit 8: Controlling-</b> Controlling - Concept and importance, Relationship between planning and controlling, Steps in process of control	

**Part B: Business Finance and Marketing**

<b>Unit 9: Financial Management-</b> Concept, role and objectives of Financial Management, Financial decisions: investment, financing and dividend- Meaning and factors affecting, Financial Planning - concept and importance, Capital Structure – concept and factors affecting capital structure, Fixed and Working Capital - Concept and factors affecting their requirements.	<b>5 Marks</b>
<b>Unit 10: Financial Markets</b> Financial Markets: Concept, Money Market: Concept, Capital market and its types (primary and secondary), Stock Exchange - Functions and trading procedure, Securities and Exchange Board of India (SEBI) - objectives and functions	

<p><b>Unit 11: Marketing</b> Marketing – Concept, functions and philosophies, Marketing Mix – Concept and elements, Product - branding, labelling and packaging – Concept, Price - Concept, Factors determining price, Physical Distribution – concept, components and channels of distribution, Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion and Public Relations</p>	<p><b>6 Marks</b></p>
<p><b>Unit 12: Consumer Protection</b> Concept and importance of consumer protection, The Consumer Protection Act, 2019: Meaning of consumer, Rights and responsibilities of consumers Who can file a complaint? Redressal machinery Remedies available, Consumer awareness -Role of consumer organizations and Non-Governmental Organizations (NGOs)</p>	

**Class : XII**  
**Syllabus : Economics**  
**Combination-2 : Economics & English**  
**For ICO-2024/CUET/CBSE/NCERT**  
**(Common Syllabus of Economics for CBSE and CUET for ICO-2024)**

**Combination -2: Economics and English**

There will be one Section of Economics which will have 30 questions out of which 25 questions need to be attempted.

**Introductory Macroeconomics**

<p><b>Unit I : National Income and Related Aggregates — Basic Concepts and Measurement</b></p> <ul style="list-style-type: none"> <li>• Macroeconomics: meaning.</li> <li>• Circular flow of income, concepts of GDP, GNP, NDP, NNP (at market price and factor cost).</li> <li>• Measurement of National Income –Value Added method, Income method, and Expenditure method.</li> </ul>	
<p><b>Unit II: Determination of Income and Employment</b></p> <ul style="list-style-type: none"> <li>• Aggregate demand, aggregate supply, and their components</li> <li>• Propensity to consume and propensity to save (average and marginal)</li> <li>• Meaning of involuntary unemployment and full employment</li> <li>• Determination of income and employment: two-sector model</li> <li>• Concept of investment multiplier and its working</li> <li>• Problems of excess and deficient demand</li> <li>• Measures to correct excess and deficient demand – availability of credit, change in government spending</li> </ul>	<b>7 Marks</b>
<p><b>Unit III: Money and Banking</b></p> <ul style="list-style-type: none"> <li>• Money: meaning, evolution, and functions</li> <li>• Central bank: meaning and functions</li> <li>• Commercial banks: meaning and functions</li> </ul>	
<p><b>Unit IV: Government Budget and the Economy</b></p> <ul style="list-style-type: none"> <li>• Government budget – meaning and its components</li> <li>• Objectives of government budget</li> <li>• Classification of receipts – revenue and capital; classification of expenditure – revenue and capital, plan and non-plan, and developmental and non-developmental</li> <li>• Balanced budget, surplus budget, and deficit budget: meaning and implications</li> <li>• Revenue deficit, fiscal deficit, and primary deficit: meaning and implications; measures to contain different deficits.</li> </ul>	<b>5 Marks</b>
<p><b>Unit V: Balance of Payments</b></p> <ul style="list-style-type: none"> <li>• Foreign exchange rate – meaning (fixed and flexible), merits and demerits; determination through demand and supply</li> <li>• Balance of payments accounts – meaning and components</li> <li>• A brief analysis of recent exchange rate issues</li> </ul>	

## Indian Economic Development

<p><b>Unit VI : Development Experience (1947-90) and Economic Reforms since 1991</b>  A brief introduction of the state of the Indian economy on the eve of independence. Indian economic system and common goals of Five year Plans.  Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role &amp; importance) and foreign trade.</p>	<b>10 Marks</b>
<p><b>Unit VII : Current challenges facing the Indian Economy</b>  <b>Human Capital Formation</b> – How many people become resource; Role of human capital in economic development;  <b>Rural development: Key issues</b> – credit and marketing – role of cooperatives; agricultural diversification;  <b>Employment:</b> Growth and changes in work force participation rate in formal and informal sectors; problems and policies  <b>Sustainable Economic Development:</b> Meaning, Effects of Economic Development on Resources and Environment, including global warming</p>	<b>5 Marks</b>
<p><b>Unit VIII : Development Experience of India</b></p> <ul style="list-style-type: none"> <li>• A comparison with neighbours</li> <li>• India and Pakistan</li> <li>• India and China</li> <li>• Issues: economic growth, population, sectoral development and other Human Development Indicators</li> </ul>	<b>3 Marks</b>

**Class : XII**  
**Syllabus : English Language**  
**Combination-2 : Economics & English Language**  
**For ICO-2024/CUET**  
**(Same Syllabus for ICO as specified by NTA for CUET)**

**Combination -2: Economics and English**

There will be one Section of English which will have 30 questions out of which 25 questions need to be attempted.

**Introductory Macroeconomics**

Questions from the Language Section will be from the following topics but are not limited to:

1. Reading Comprehension: There will be three types of passages (maximum 300-350 words):
  - I. Factual
  - ii. Narrative
  - iii. Literary
2. Verbal Ability
3. Rearranging the parts
4. Choosing the correct word
5. Synonyms and Antonyms
6. Vocabulary

**Class : XII**  
**Syllabus : Mathematics\***  
**Combination-3 : Mathematics & General Test**  
**For ICO-2024/CUET**

(\*Common Syllabus as specified by NTA for CUET, applicable for ICO-2024 too )

**Combination-3: Mathematics & General Test**

There will be one Section of Mathematics which will have 30 questions out of which 25 questions need to be attempted

**UNIT - I: ALGEBRA**

**1. Matrices**

Concept, notation, order, equality, types of matrices, zero matrix, transpose of a matrix, symmetric and skew symmetric matrices. Addition, multiplication and scalar multiplication of matrices, simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).

**2. Determinants**

Determinant of a square matrix (up to  $3 \times 3$  matrices), properties of determinants, minors, cofactors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.

**5 Marks**

## UNIT II: CALCULUS

<p><b>1. Continuity and Differentiability</b>            Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric functions, derivative of implicit function. Concepts of exponential, logarithmic functions. Derivatives of <math>\log x</math> and <math>e^x</math>. Logarithmic differentiation. Derivative of functions expressed in parametric forms. Second-order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretations.</p>	<b>4 Marks</b>
<p><b>2. Applications of Derivatives</b>            Applications of derivatives: Rate of change, increasing/decreasing functions, tangents and normals, approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations). Tangent and Normal.</p>	<b>3 Marks</b>
<p><b>3. Integrals</b>            Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, only simple integrals of the type –</p> $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}},$ $\int \frac{(px + q)}{ax^2 + bx + c} dx, \int \frac{(px + q)}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx \text{ and } \int \sqrt{x^2 - a^2} dx,$ $\int \sqrt{ax^2 + bx + c} dx \text{ and } \int (px + q)\sqrt{ax^2 + bx + c} dx$ <p>to be evaluated.            Definite integrals as a limit of a sum. Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>	<b>5 Marks</b>
<p><b>4. Applications of the Integrals</b>            Applications in finding the area under simple curves, especially lines, arcs of circles/parabolas/el- lipeses (in standard form only), area between the two above said curves (the region should be clearly identifiable).</p>	<b>3 Marks</b>
<p><b>5. Differential Equations</b>            Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables,</p>	<b>4 Marks</b>
<p><b>Unit III : Linear Programming</b>            Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constrains).</p>	<b>2 Marks</b>



<b>Unit IV : Probability</b> Multiplications theorem on probability. Conditional probability, independent events, total probability, Baye's theorem. Random variable and its probability distribution, mean and variance of haphazard variable. Repeated independent (Bernoulli) trials and Binomial distribution.	<b>4 Marks</b>
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**Class : XII**  
**Syllabus : General Test**  
**Combination-3 : Mathematics & General Test**  
**For ICO-2024/CUET**

**General Test**

**Reasoning and Logical Thinking**

Series – Number, Alphanumerical, Reasoning Analogies, Blood Relations, Calendars, Cause and Effect, Clocks, Coding-decoding, Cubes and cuboids, Data sufficiency, Dices, Directions, Figure Matrix, Odd one out, Paper folding, Mirror and water images, Order and Ranking, Seating Arrangements, Statements and Assumptions, Statements and conclusions, Syllogism etc

**General Awareness including Current Affairs**

Indian Polity, Sports, Honours and Awards, History- Indian Independence Movements, Economics, Geography, Government Schemes, Art and Culture, Popular Books and their Writers, Science, Indian Constitution, Persons in the News, International affairs and organizations, their Head quarters etc.

**Arithmetic**

Time and Speed/Distance, Percentage and Ratios, Proportion, Average, Profit and Loss , Discount, Interest and Compound Interest, Time and work, Mensuration etc..