

SUBJECT: ENGLISH CORE

Pre Board I & II Examinations

Section-A

READING SKILLS- (22 marks)

- Two unseen passages (Unit Test)

Section-B

CREATIVE WRITING SKILLS (18 marks)

- (a) Notice Writing (Unit Test)
- (b) Writing formal and informal invitations and replies
- (c) Application for a job
- (d) Long Compositions based on verbal input may be descriptive or analytical in nature such as article writing (Unit Test)
- (e) Letters to the editor (giving suggestions or opinion on issues of public interest)

Section-C

LITERATURE TEXTBOOKS (40 marks)

TEXTBOOK – FLAMINGO

Prose

- L-1 The Last Lesson (Unit Test)
- L-2 Lost Spring (Unit Test)
- L-3 Deep Water
- L-4 The Rattrap
- L-5 Indigo
- L-6 Poets and Pancakes
- L-7 The Interview
- L-8 Going Places

Poetry

- P-1 My Mother at Sixty Six (Unit Test)
- P-2 Keeping Quiet (Unit Test)
- P-3 A Thing of Beauty
- P-4 A Roadside Stand
- P-5 Aunt Jennifer's Tigers

SUPPLEMENTARY READER-VISTAS

- 1. The Third Level
- 2. The Tiger King (Unit Test)
- 3. Journey to the End of the Earth
- 4. The Enemy
- 5. On the Face of It
- 6. Memories of Childhood
 - The Cutting of My Long Hair
 - We too are Human Beings

Note -

Full syllabus will be included in Pre Board I & II Examinations.

INTERNAL ASSESSMENT

Assessment of listening and speaking skills in July-September (5+5 marks)

Project (File 5 marks, Viva 5 marks)

November – Submit project for feedback.

December – Final submission for assessment

January/February – Board Internal Assessment of project

English Examination Specifications

Section A

I Reading Comprehension through Unseen Passage (22 Marks)

1. One unseen passage to assess comprehension, interpretation and inference. Vocabulary and inference of meaning will also be assessed. The passage may be factual, descriptive or literary. (12 Marks)
2. One unseen case-based factual passage with verbal/visual inputs like statistical data, charts etc. (10 Marks)

Multiple Choice Questions / Objective Type Questions and Short Answer Type Questions (40- 50 words) will be asked.

Section B

II. Creative Writing Skills (18 Marks)

The section has Short and Long writing tasks.

3. Notice up to 50 words. (4 Marks: Format : 1 / Content : 2 / Accuracy of Spelling and Grammar : 1).
4. Formal/Informal Invitation and Reply up to 50 words. (4 Marks: Format : 1 / Content : 2 / Accuracy of Spelling and Grammar : 1).
5. Letters based on verbal/visual input, to be answered in approximately 120-150 words. Letter types include application for a job with bio data or resume. Letters to the editor (giving suggestions or opinion on issues of public interest). (5 Marks: Format : 1 / Organisation of Ideas: 1 / Content : 2 / Accuracy of Spelling and Grammar : 1).
6. Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, to be answered in 120-150 words (5 Marks: Format : 1 / Organisation of Ideas: 1 / Content : 2 / Accuracy of Spelling and Grammar : 1).

Section C

III Literature

- Reference to the Context (40 Marks)
7. Poetry extract from the book Flamingo. (6x1=6 Marks)
 8. Prose extract from the book Vistas. (4x1=4 Marks)
 9. Prose extract from the book Flamingo. (6x1=6 Marks)
 10. Short answer type question, (from Prose and Poetry from the book Flamingo), to be answered in 40-50 words. (5x2=10 Marks)
 11. Short answer type question, from Prose (Vistas), to be answered in 40- 50 words. (2x2=4 Marks)
 12. Long answer type question, from Prose/Poetry (Flamingo), to be answered in 120-150 words. (1x5=5 Marks)
 13. Long answer type question, based on the chapters from the book Vistas, to be answered in 120-150 words. (1x5=5 Marks)

SUBJECT: PHYSICS**Pre Board I & II Examinations**

Unit I : Electrostatics (Unit Test)
Unit II : Current Electricity (Unit Test)
Unit III : Magnetic effect of current & Magnetism
Unit IV: Electromagnetic Induction and Alternating current
Unit V : Electromagnetic Waves
Unit VI : Optics
Unit VII : Dual Nature of Matter
Unit VIII : Atoms and Nuclei
Unit IX : Electronic Devices

List of Experiments

1. To determine resistivity of two / three wires by plotting a graph of potential difference versus current.
2. To find resistance of a given wire using metre bridge.
3. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.
4. To verify the laws of combination (series) of resistances using a metre bridge
5. To draw the I-V characteristic curve of a p-n junction in forward bias and reverse bias.
6. To determine refractive index of a glass slab using a travelling microscope.
7. To find the refractive index of water using a convex lens and plane mirror
8. To find the value of v for different values of u in case of concave mirror and to find the focal length.

List of Activities

1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
2. To assemble the components of a given electrical circuit.
3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter.
4. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
5. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
6. To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

Time: 3 Hours

Max Marks: 70

Unit No.	Unit Name	Marks
Unit-I	Electrostatics	16
	Chapter-1: Electric Charges and Fields	
	Chapter-2: Electrostatic Potential and Capacitance	
Unit-II	Current Electricity	
	Chapter-3: Current Electricity	17
Unit-III	Magnetic Effects of Current and Magnetism	
	Chapter-4: Moving Charges and Magnetism	
	Chapter-5: Magnetism and Matter	
Unit-IV	Electromagnetic Induction and Alternating Currents	
	Chapter-6: Electromagnetic Induction	
	Chapter-7: Alternating Current	

Unit–V	Electromagnetic Waves	18
	Chapter–8: Electromagnetic Waves	
Unit–VI	Optics	
	Chapter–9: Ray Optics and Optical Instruments Chapter–10: Wave Optics	
Unit–VII	Dual Nature of Radiation and Matter	12
	Chapter–11: Dual Nature of Radiation and Matter	
Unit–VIII	Atoms and Nuclei	
	Chapter–12: Atoms Chapter–13: Nuclei	
Unit–IX	Electronic Devices	7
	Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits	
Total		70

PRACTICAL

Max. Marks: 30

Time Allowed: Three hours

Two experiments one from each section	7+7 Marks
Practical record (experiment and activities)	5 Marks
Investigatory Project	3 Marks
Viva on experiments, activities and project one activity from any section	5 Marks
One activity from any section	3 Marks
Total	30 Marks

SUBJECT: CHEMISTRY**Pre Board I & II Examinations****Theory**

Unit 1: Solutions

Unit 2: Electrochemistry

Unit 3: Chemical Kinetics

Unit 4 : The d -and f -Block Elements

Unit 5: Coordination Compounds

Unit 6: Haloalkanes and Haloarenes (Unit Test)

Unit 7: Alcohols, Phenols and Ethers (Unit Test)

Unit 8: Aldehydes, Ketones and Carboxylic Acids (Unit Test)

Unit 9: Amines (Unit Test)

Unit 10 : Biomolecules

Practicals

1. Volumetric analysis

2. Salt analysis

3. Content based experiments

4. Project Work

5. Class record and viva

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE**Time : 3 Hours****Total Marks 70**

S. No.	Title	Marks
1	Solutions	7
2	Electrochemistry	9
3	Chemical Kinetics	7
4	d -and f -Block Elements	7
5	Coordination Compounds	7
6	Haloalkanes and Haloarenes	6
7	Alcohols, Phenols and Ethers	6
8	Aldehydes, Ketones and Carboxylic Acids	8
9	Amines	6
10	Biomolecules	7
Total		70

PRACTICAL**Time Allowed: Three hours****Max. Marks: 30**

Volumetric Analysis (Titration)	8 Marks
Qualitative Analysis (Salt Analysis)	8 Marks
Content Based Experiment	6 marks
Project Work	4 Marks
Class Record & Viva	4 Marks
Total	30 Marks

SUBJECT: MATHEMATICS**Pre Board I & II Examinations**

L-1 Relation and Functions
L-2 Inverse Trigonometric Functions (Unit Test)
L-3 Matrices (Unit Test)
L-4 Determinants (Unit Test)
L-5 Continuity and Differentiability
L-6 Application of Derivatives
L-7 Integrals
L-8 Application of Integrals
L-9 Differential Equations
L-10 Vector Algebra
L-11 Three Dimensional Geometry
L-12 Linear Programming
L-13 Probability

Note -

Full syllabus will be included in Pre Board I & II Examinations.

One Paper**Max Marks: 80**

No.	Units	Marks
I.	Relations and Functions	08
II.	Algebra	10
III.	Calculus	35
IV.	Vectors and Three - Dimensional Geometry	14
V.	Linear Programming	05
VI.	Probability	08
	Total	80
	Internal Assessment	20

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 MARKS
Mathematics Activities	10 MARKS

SUBJECT: APPLIED MATHEMATICS**Pre Board I & II Examinations**

Unit I Numbers & Quantification and Numerical Applications

Unit II Algebra (Unit Test)

Unit III Calculus

Unit IV Probability Distribution (Unit Test)

Unit V Inferential Statistics (Unit Test)

Unit VI Time Based Data (Unit Test)

Unit VII Financial Mathematics

Unit VIII Linear Programming

Practical: Use of spreadsheet

Calculating average, interest (simple and compound), creating pictographs, drawing pie chart, bar graphs, calculating central tendency visualizing graphs (straight line, circles and parabola using real-time data)

Project

Note -

Full syllabus will be included in Pre Board I & II Examinations.

Time: 3 Hours**Max Marks: 80**

No.	Units	Marks
I	Numbers, Quantification and Numerical Applications	11
II	Algebra	10
III	Calculus	15
IV	Probability Distributions	10
V	Inferential Statistics	05
VI	Time-based data	06
VII	Financial Mathematics	15
VIII	Linear Programming	08
	Total	80
	Internal Assessment	20

INTERNAL ASSESSMENT

Sl. No.	Area and Weightage	Assessment Area
1	Project work (10 marks)	Project work and record
		Year-end Presentation/ Viva of the Project
2	Practical work (10 marks)	Performance of practical and record
		Year-end test of any one practical

SUBJECT: BIOLOGY**Pre Board I & II Examinations**

Chapter 1- Sexual Reproduction in Flowering Plants (Unit Test)

Chapter 2- Human Reproduction (Unit Test)

Chapter 3- Reproductive Health (Unit Test)

Chapter 4- Principles of Inheritance and Variation

Chapter 5- Molecular Basis of Inheritance

Chapter 6- Evolution

Chapter 7- Human Health and Diseases

Chapter 8- Microbes in Human Welfare

Chapter 9- Biotechnology: Principles and Processes

Chapter 10- Biotechnology and its Applications

Chapter 11- Organisms and Populations

Chapter 12- Ecosystem

Chapter 13- Biodiversity and its Conservation

Practicals:**A. List of Experiments**

1. Prepare a temporary mount to observe pollen germination.
2. Study the plant population density by quadrat method.
3. Study the plant population frequency by quadrat method.
4. Prepare a temporary mount of onion root tip to study mitosis.
5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, banana etc.

B. Study and observe the following (Spotting):

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
8. Controlled pollination - emasculation, tagging and bagging.
9. Common disease causing organisms like *Ascaris*, *Entamoeba*, *Plasmodium*, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
10. Models specimens showing symbiotic association in lichens, root nodules of leguminous plants, and parasitic mode of nutrition shown by *Cuscuta* on host.
11. Flash cards / models showing examples of homologous and analogous organs.

COURSE STRUCTURE**THEORY****Time: 03 Hours****Max. Marks: 70**

Unit	Title	Marks
VI	Reproduction	16
VII	Genetics and Evolution	20
VIII	Biology and Human Welfare	12
IX	Biotechnology and its Applications	12
X	Ecology and Environment	10
	Total	70

PRACTICALS

Time allowed: 3 Hours

Max. Marks: 30

Evaluation Scheme	Marks
One Major Experiment	5
One Minor Experiment	4
Slide Preparation	5
Spotting	7
Practical Record + Viva Voce	4
Investigatory Project and its Project Record + Viva Voce	5
Total	30

SUBJECT: ACCOUNTANCY**Pre Board I & II Examinations****Part – A**

Ch 1: Accounting for Partnership Firms-Fundamentals (Unit Test)

Ch 2: Goodwill : Nature & Valuation (Unit Test)

Ch 3: Change in Profit-Sharing Ratio among the Existing Partners (Unit Test)

Ch 4: Admission of a Partner (Unit Test)

Ch 5: Retirement of a Partner

Ch 6: Death of a Partner

Ch 7: Dissolution of a Partnership Firm

Ch 8: Company Accounts – Accounting for Share Capital

Ch 9: Company Accounts – Issue of Debentures

Part – B

Ch 1: Financial Statements of a Company

Ch 2: Financial Statement Analysis

Ch 3: Tools for Financial Statement Analysis

Ch 4: Accounting Ratios

Ch 5: Cash Flow Statement

Project work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

Theory: 80 Marks**3 Hours****Project: 20 Marks**

Units		Marks
Part A	Accounting for Partnership Firms and Companies	
	Unit 1. Accounting for Partnership Firms	36
	Unit 2. Accounting for Companies	24
		60
Part B	Financial Statement Analysis	
	Unit 3. Analysis of Financial Statements	12
	Unit 4. Cash Flow Statement	8
		20
Part C	Practical Work	20
	Practical work will include:	
	Practical File	12 Marks
	Viva Voce	8 Marks

Project Work

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

1. Comparative and common size financial statements
2. Accounting Ratios
3. Segment Reports
4. Cash Flow Statements

SUBJECT: BUSINESS STUDIES**Pre Board I & II Examinations****Part A : Principles and Functions of Management**

Ch. 1 Nature and Significance of Management (Unit Test)

Ch. 2 Principles of Management (Unit Test)

Ch. 3 Business Environment (Unit Test)

Ch. 4 Planning

Ch. 5 Organizing

Ch. 6 Staffing

Ch. 7 Directing

Ch. 8 Controlling

Part B: Business Finance and Marketing

Ch. 9 Financial Management

Ch.10 Financial Markets

Ch.11 Marketing Management (Unit Test)

Ch.12 Consumer Protection

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

Course Structure**Theory: 80 Marks****3 Hours****Project: 20 Marks**

Units		Marks
Part A	Principles and Functions of Management	
1.	Nature and Significance of Management	16
2	Principles of Management	
3	Business Environment	
4	Planning	14
5	Organising	
6	Staffing	20
7	Directing	
8	Controlling	
	Total	50
Part B	Business Finance and Marketing	
9	Financial Management	15
10	Financial Markets	
11	Marketing Management	15
12	Consumer Protection	
	Total	30
Part C	Project Work (One)	20

Project Work

Select any one topic from the following :

I. Project One: Elements of Business Environment

The students should select any one element of the following:

1. Changes witnessed over the last few years on mode of packaging and its economic impact. The teacher may guide the students to identify the following changes:

- The changes in transportation of fruits and vegetables such as cardboard crates being used in place of wooden crates, etc. Reasons for above changes.
- Milk being supplied in glass bottles, later in plastic bags and now in tetra-pack and through vending machines.
- 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 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 of change in environment 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.

II. Project Two: 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

- 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.
14. Authority and Responsibility

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. Standardisation and simplification of work.
3. Method study.
4. Motion Study.
5. Time Study.
6. Fatigue Study
7. Differential piece rate plan.

III. Project Three: Stock Exchange

The students are expected to:

- a) Develop a brief report on History of Stock Exchanges in India. (your country)
- b) Prepare a list of at least 25 companies listed on a Stock Exchange.
- c) To make an imaginary portfolio totalling a sum of Rs. 50,000 equally in any of the 5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

- They will understand the weekly holidays and the holidays under the Negotiable Instruments Act. They will also come across with terms like closing prices, opening prices, etc.
- During this period of recording students are supposed to distinctively record the daily and starting and closing prices of the week other days under the negotiable instrument act so that they acquire knowledge about closing and opening prices.
- The students may conclude by identifying the causes in the fluctuations of prices. Normally it would be related to the front page news of the a business journal, for example,
- Change of seasons.
- Festivals.
- Spread of epidemic.
- Strikes and accidents
- Natural and human disasters.
- Political environment.
- Lack of faith in the government policies.
- Impact of changes in government policies for specific industry.
- International events.
- Contract and treaties at the international scene.
- Relations with the neighbouring countries.
- Crisis in developed countries, etc.

The students are expected to find the value of their investments and accordingly rearrange their portfolio. The project work should cover the following aspects;

1. Graphical presentation of the share prices of different companies on different dates.
2. Change in market value of shares due to change of seasons, festivals, natural and human disasters.
3. Change in market value of shares due to change in political environment/ policies of various countries/crisis in developed countries or any other reasons
4. Identify the top ten companies out of the 25 selected on the basis of their market value of shares.

It does not matter if they have made profits or losses.

IV. Project Four: Marketing

- | | |
|-------------------------|------------------------|
| 1. Adhesives | 40. Lipstick |
| 2. Air conditioners | 41. Microwave oven |
| 3. Baby diapers | 42. Mixers |
| 4. Bathing Soap | 43. Mobile |
| 5. Bathroom cleaner | 44. Moisturizer |
| 6. Bike | 45. Music player |
| 7. Blanket | 46. Nail polish |
| 8. Body Spray | 47. Newspaper |
| 9. Bread | 48. Noodles |
| 10. Breakfast cereal | 49. Pen |
| 11. Butter | 50. Pen drive |
| 12. Camera | 51. Pencil |
| 13. Car | 52. Pickles |
| 14. Cheese spreads | 53. Razor |
| 15. Chocolate | 54. Ready Soups |
| 16. Coffee | 55. Refrigerator |
| 17. Cosmetology product | 56. RO system |
| 18. Crayons | 57. Roasted snacks |
| 19. Crockery | 58. Salt |
| 20. Cutlery | 59. Sarees |
| 21. Cycle | 60. Sauces/ Ketchup |
| 22. DTH | 61. Shampoo |
| 23. Eraser | 62. Shaving cream |
| 24. e-wash | 63. Shoe polish |
| 25. Fairness cream | 64. Shoes |
| 26. Fans | 65. Squashes |
| 27. Fruit candy | 66. Suitcase/ airbag |
| 28. Furniture | 67. Sunglasses |
| 29. Hair Dye | 68. Tea |
| 30. Hair Oil | 69. Tiffin Wallah |
| 31. Infant dress | 70. Toothpaste |
| 32. Inverter | 71. Wallet |
| 33. Jams | 72. Washing detergent |
| 34. Jeans | 73. Washing machine |
| 35. Jewellery | 74. Washing powder |
| 36. Kurti | 75. Water bottle |
| 37. Ladies bag | 76. Water storage tank |
| 38. Ladies footwear | 77. Wipes |
| 39. Learning Toys | |

Now the students are required to make a project on the identified product/service keeping in mind 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 licences 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

- ☐ Manufacturer.
- ☐ Wholesaler.
- ☐ Retailer.

12. How will your product be packaged?
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 realise the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing.

- ☐ Product
- ☐ Place
- ☐ Price
- ☐ Promotion

On the basis of the work done by the students the project report should include the following:

1. Type of product /service identified and the (consumer/industries) process involved there in.
2. Brand name and the product.
3. Range of the product.
4. Identification mark or logo.
5. Tagline.
6. Labeling and packaging.
7. Price of the product and basis of price fixation.
8. Selected channels of distribution and reasons thereof.
9. Decisions related to transportation and warehousing. State reasons.
10. Promotional techniques used and starting reasons for deciding the particular technique.
11. Grading and standardization.

Presentation and Submission of Project Report

At the end of the stipulated term, each student will prepare and submit his/her project report.

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-
 - ☐ Cover page should include the title of the Project, student information, school and year.
 - ☐ List of contents.
 - ☐ Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).
 - ☐ Introduction.
 - ☐ Topic with suitable heading.
 - ☐ Planning and activities done during the project, if any.
 - ☐ Observations and findings of the visit.
 - ☐ Conclusions (summarized suggestions or findings, future scope of study).
 - ☐ Photographs (if any).
 - ☐ Appendix
 - ☐ Teacher's observation.
 - ☐ Signatures of the teachers.
 - ☐ At the completion of the evaluation of the project, it should be punched in the centre so that the report may not be reused but is available for reference only.
 - ☐ The project will be returned after evaluation. The school may keep the best projects.

ASSESSMENT

Allocation of Marks = 20 Marks

The marks will be allocated under the following heads:

1	Initiative, cooperativeness and participation	2 Mark
2	Creativity in presentation	2 Mark
3	Content, observation and research work	4 Marks
4	Analysis of situations	4 Marks
5	Viva	8 Marks
	Total	20 Marks

SUBJECT: ECONOMICS

Pre Board I & II Examinations

Part – A Introductory Macroeconomics

Unit 1 National Income and Related Aggregates (Unit Test)

Unit 2 Money and Banking

Unit 3 Determination of Income and Employment

Unit 4 Government Budget and the Economy

Unit 5 Foreign Exchange Rate, Balance of Payments

Part – B Indian Economic Development

Unit 6 Indian Economy on the Eve of Independence (Unit Test)

Economics Planning (1950-90) and Economic Reforms since 1991

Unit 7 Current Challenges facing Indian Economy

Unit 8 Development Experience of India – A Comparison with Neighbours

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

Theory: 80 Marks

3 Hours

Project: 20 Marks

Units		Marks
Part A	Introductory Macroeconomics	
	National Income and Related Aggregates	10
	Money and Banking	06
	Determination of Income and Employment	12
	Government Budget and the Economy	06
	Balance of Payments	06
		40
Part B	Indian Economic Development	
	Development Experience (1947-90) and Economic Reforms since 1991	12
	Current Challenges facing Indian Economy	20
	Development Experience of India – A Comparison with Neighbours	08
	Theory Paper (40+40 = 80 Marks)	40
Part C	Project Work	20

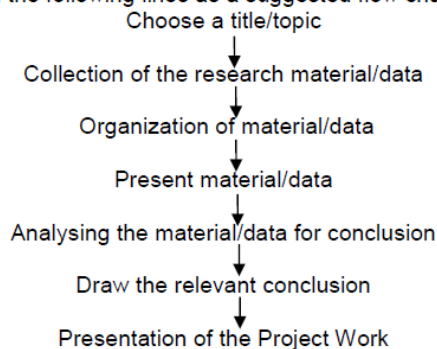
PRACTICAL

- Pre Board I & II Examinations - Project Work 20 marks (File 12 marks and Viva 8 marks)

Guidelines of Project Work

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:



Marking Scheme :

Marks are suggested to be given as –

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Suggestive List of Projects:

Class XII	
• Micro and Small Scale Industries	• Food Supply Channel in India
• Contemporary Employment situation in India	• Disinvestment policy of the government
• Goods and Services Tax Act and its Impact on GDP	• Health Expenditure (of any state)
• Human Development Index	• Inclusive Growth Strategy
• Self-help group	• Trends in Credit availability in India
• Monetary Policy Committee and its functions	• Role of RBI in Control of Credit
• Government Budget & its Components	• Trends in budgetary condition of India
• Exchange Rate determination – Methods and Techniques	• Currency War – reasons and repercussions
• Livestock – Backbone of Rural India	• Alternate fuel – types and importance
• Sarva Shiksha Abhiyan – Cost Ratio Benefits	• Golden Quadrilateral- Cost ratio benefit
• Minimum Support Prices	• Relation between Stock Price Index and Economic Health of a Nation
• Waste Management in India – Need of the hour	• Minimum Wage Rate – Approach and Application
• Digital India- Step towards the future	• Rain Water Harvesting – A solution to water crisis
• Vertical Farming – An alternate way	• Silk Route- Revival of the past
• Make in India – The way ahead	• Bumper Production- Boon or Bane for the farmer
• Rise of Concrete Jungle- Trend Analysis	• Organic Farming – Back to the Nature
• Aatmanirbhar Bharat	• e-Rupee (e- ₹)
• Sri Lanka's Economic Crisis	• Sustainable Development Goals (SDG's)
• Environmental Crisis	• Comparative Study of Economies (Maximum three economies)
• New Education Policy (NEP) 2020: A Promise for a New Education System	• G-20: Inclusive and Action Oriented
• Amrit Kaal: Empowered and Inclusive Economy	• Cashless Economy
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

SUBJECT: ENTREPRENEURSHIP**Pre Board I & II Examinations**

Unit-1: Entrepreneurial Opportunity (Unit Test)
Unit-2 : Entrepreneurial Planning (Unit Test)
Unit-3: Enterprise Marketing
Unit-4 : Enterprise Growth Strategies
Unit-5 : Business Arithmetic
Unit-6 : Resource Mobilization

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE**Theory Paper**

Time: 3 Hours

Maximum marks: 70

S. No.	Unit	Marks
Unit 1	Entrepreneurial Opportunity	30
Unit 2	Entrepreneurial Planning	
Unit 3	Enterprise Marketing	20
Unit 4	Enterprise Growth Strategies	
Unit 5	Business Arithmetic	20
Unit 6	Resource Mobilization	
	Total	70
	Project Work	30
	Total	100

PROJECT WORK

Students have to do TWO projects in the entire academic session.

TOPICS FOR THE PROJECT:

1. Business Plan
 2. Market Survey
- 10 Marks each for 02 Projects
 - 5 Marks for Numerical Assessment
 - 5 Marks for Viva

Note: Students need to complete both the projects. Guidelines for both projects are given in the CBSE Textbook.

SUBJECT: PHYSICAL EDUCATION

Pre Board I & II Examinations

Unit I : Management of Sporting Events (Unit Test)
Unit II : Children & Women in Sports (Unit Test)
Unit III : Yoga as Preventive measure for Lifestyle Disease (Unit Test)
Unit IV : Physical Education and Sports for CWSN (Children with Special Needs-Divyang)
Unit V : Sports & Nutrition
Unit VI : Test and Measurement in Sports
Unit VII : Physiology and Injuries in Sports
Unit VIII : Biomechanics and Sports
Unit IX : Psychology and Sports
Unit X : Training in Sports

Note -

Full syllabus will be included in Pre Board I & II Examinations.

Practical	Max. Marks 30
01. Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)*	6 Marks
02. Proficiency in Games and Sports (Skill of any one IOA recognised Sport/Game of Choice)**	7 Marks
03. Yogic Practices	7 Marks
04. Record File ***	5 Marks
05. Viva Voce (Health/ Games & Sports/ Yoga)	5 Marks

* Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility)

**CWSN (Children With Special Needs – Divyang): Bocce/Boccia , Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice.

**Children With Special Needs can also opt any one Sport/Game from the list as alternative to Yogic Practices. However, the Sport/Game must be different from Test - ‘Proficiency in Games and Sports’

**Record File shall include:

- Practical-1: Fitness tests administration.
- Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
- Practical-3: Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.

SUBJECT: INFORMATICS PRACTICES**Pre Board I & II Examinations****Unit 1: Data Handling using Pandas and Data Visualization**

Ch 2. Data Handling using Pandas –I (Unit Test)

Ch 3. Data Handling using Pandas –II

Ch 4. Plotting Data Using Matplotlib

Unit 2: Database Query using SQL

Ch 1. Query and SQL Functions (Unit Test)

Unit 3: Introduction to Computer Networks

Ch 5. Internet and Web

Unit 4: Societal Impacts

Ch 6. Societal Impacts

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

Unit No.	Unit Name	Marks
1	Data Handling using Pandas and Data Visualization	25
2	Database Query using SQL	25
3	Introduction to Computer Networks	10
4	Societal Impacts	10
	Practical	30
	Total	100

Practical

S. No.	Unit Name	Marks
1	Programs using Pandas and Matplotlib	8
2	SQL Queries	7
3	Practical file	5
4	Project Work	5
5	Viva-Voce	5
	TOTAL	30

SUBJECT: PSYCHOLOGY**Pre Board I & II Examinations****Theory**

Unit I : Variations in Psychological Attributes (Unit Test)

Unit II : Self and Personality (Unit Test)

Unit III : Meeting Life Challenges

Unit IV : Psychological Disorders

Unit V : Therapeutic Approaches

Unit VI : Attitude and Social Cognition

Unit VII : Social Influence and Group Processes

Practical Examination

1. Development of case profile

2. Test administration:

Students are required to administer and interpret two tests.

3. Viva Voce (Project)

4. In Practical examination, the student will be required to administer and interpret two psychological tests.

- Intelligence
- Personality
- Stress
- Culture fair intelligence
- Attitude

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE**Theory Paper****3 hours****Marks: 70**

Units	Topics	Marks
I	Variations in Psychological Attributes	13
II	Self and Personality	13
III	Meeting Life Challenges	9
IV	Psychological Disorders	12
V	Therapeutic Approaches	9
VI	Attitude and Social Cognition	8
VII	Social Influence and Group Processes	6
Total		70

Practical Examination :

• Practical File and Case Profile	10 Marks
• Viva Voce (Case Profile & Two Practicals)	05 Marks
• Two Practicals (5 marks for conduct of practicals and 10 marks for reporting)	15 Marks
Total	30 Marks

SUBJECT: LEGAL STUDIES
Pre Board I & II Examinations

Unit 1. Judiciary (Unit Test)
Unit 2. Alternative Dispute Resolution in India (ADR) (Unit Test)
Unit 3. Topics in Law - I (Business Laws)
Chapter 3 (A) - Law of Contract (Unit Test)
Chapter 3 (B) - Law of Torts (Unit Test)
Chapter 3 (C) - Law of Property
Chapter 3 (D) – Intellectual Property Law

Unit 4. Topics in Law - II (General Laws)
Chapter 4 (A) – Law and Sustainable Development
Chapter 4 (B) – Forms of Legal Entities
Chapter 4 (C) – Criminal Laws in India

Unit 5. Concept of Human Rights
Chapter 5 (A) – Human Rights in India
Chapter 5 (B) – Human Rights Violations – Complaint Mechanism (Quasi-Judicial Bodies)

Unit 6. International Law
Unit 7. Legal Profession in India
Unit 8. Legal Services

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

Time: 3 Hours

Marks: 80

S. No.	Units	Marks
1	Judiciary	08
2	Alternative Dispute Resolution in India	08
3	Topics in Law I – Business Laws	20
4	Topics in Law II (General Laws)	10
5	Concept of Human Rights	10
6	International Law	08
7	Legal Profession in India	08
8	Legal Services	08
	Project Based on syllabus	20
	Total	100

PROJECT GUIDELINES

INTRODUCTION

The student is required to do a project on ‘Understanding Case Laws’

METHODOLOGY-

- The student is required to select any 3 decided cases related to the curriculum where one must be civil in nature, one criminal and one constitutional in character.
- The research on the cases must include the following points:
 - Name of the case
 - Parties to the case
 - Citation to the case
 - Bench
 - Nature of the case (Civil, Criminal or Constitutional)
 - Facts of the case and issues involved
 - Arguments of the parties
 - Decision of the case including Ratio Decidendi & Obiter Dicta

INTERNAL ASSESSMENT

A Project based internal assessment of twenty marks will be done as indicated above.

SUBJECT: PAINTING
Pre Board I & II Examinations

Theory

UNIT-I

(A) A brief introduction to Indian Miniature School (Pala, Central and Western) (Unit Test)

Miniature Paintings

(16th Century A.D. to 19th Century A.D.)

A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India.

Appreciation of art works from your syllabus from the following schools

- (a) The Rajasthani School
- (b) The Pahari School
- (c) The Mughal School
- (d) The Deccan School

based on their:

1. Origin and Development
2. Sub-Schools
3. Main features
4. Characteristics
5. Aesthetic parameters
6. Competency based identification of style & technique
7. Understanding of emotions and moral values
8. Respect for life.

The Rajasthan School:

Title	Painter	Sub-School
Maru-Ragini	Sahibdin	Mewar
Chaugan Players	Dana	Jodhpur
Krishna on Swing	Nuruddin	Bikaner
Radha (Bani-Thani)	Nihal Chand	Kishangarh
Bharat Meets Rama at Chitrakut	Guman	Jaipur

The Pahari School:

Title	Painter	Sub-School
Krishna with Gopis	Manaku	Basohli
Nand, Yashoda and Krishna with Kinsmen going to Vrindavan	Nainsukh	Kangra

The Mughal School:

Title	Painter	Period
Krishna Lifting Mount Goverdhana	Miskin	Akbar
Falcon on a Bird-Rest	Ustad Mansoor	Jahangir
Kabir and Raidas	Ustad Faquirullah Khan	Shahjahan
Marriage procession of Dara Shikoh	Haji Madni	Provincial Mughal (Avadh)

The Deccan School:

Title	Painter	Sub-School
Hazrat Nizamuddin Auliya and Amir Khusro	Unknown	Hyderabad
Chand Bibi Playing Polo (Chaugan)	Unknown	Gol Konda

UNIT-II

The Bengal School of Painting and the Modern trends in Indian Art

(About the beginning to mid of the 20th Century), **contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag** Appreciation of art works from your syllabus based on their:

1. Origin and Development
2. Main features
3. Characteristics
4. Aesthetic parameters

5. Symbolic representation in artworks.
6. Competency based identification of style & technique
7. Understanding of emotions and moral values
8. Respect for life.

(A) National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement.

(B) The Bengal School of Painting

Title	Painter
Journey's End	Abanindranath Tagore
Shiv and Sati	Nand Lal Bose
Radhika	M.A.R. Chughtai
Meghdoot	Ram Gopal Vijaivargiya

(C) The Modern Trends in Indian Art

Appreciation of the following contemporary (Modern) Indian Art

(a) Paintings:

Title	Painter
Rama Vanquishing the Pride of the Ocean	Raja Ravi Varma
Mother and Child	Jamini Roy
Haldi Grinders	Amrita Sher Gil
Mother Teresa	M.F. Husain

(b) Graphic - prints:

Title	Painter
Children	Somnath Hore
Devi	Jyoti Bhatt
Of Walls	AnupamSud
Man, Woman and Tree	K. Laxma Goud

(c) Sculptures:

Title	Painter
Triumph of Labour	D. P. Roy Chowdhury
Santhal Family	Ramkinkar Vaij
Cries Un - heard	Amar Nath Sehgal
Ganesha	P.V. Jankiram

Practical Work

(i) Nature and Object Study

Studies on the basis of exercises done in class XI with two or three objects and drapery for background. Exercises in pencil with light and shade and in full colour from a fixed point of view.

(ii) Painting Composition

Imaginative painting based on subjects from Life and Nature in water and poster colours with colour values.

(iii) Portfolio Assessment

- (a) At least 6 best paintings of two years from sketch to finished product.
- (b) 6 selected nature and object study exercises in any media done during the sessions
- (c) 2 selected works of painting- composition done by the candidate during the year
- (d) 1 selected work based on any Indian Folk Art 1 individual work of student's own style.

Note -

Full syllabus will be included in Pre Board I & II Examinations.

THEORY

One Theory Paper

30 Marks

Unit wise Weightage

Time: 2 Hours

Unit	Content	Marks
1	<ul style="list-style-type: none">• Six Limbs of Indian Art• The Rajasthani School of Miniature Painting• Pahari School of Miniature Painting• The Mughal School of Miniature Painting• Deccan Schools of Miniature Painting	15
2	<ul style="list-style-type: none">• Indian National Flag• The Bengal School of Painting• The Modern Trends in Indian Art Paintings, Graphic Prints, Sculptures	15
		30

PRACTICAL

One Practical Paper

70 Marks

Unit wise Weightage

Time: 6 Hours (3+3)

Units		Marks
1	Nature, and Object Study	25
2	Painting Composition	25
3	Portfolio Assessment	20
	Total	70

SUBJECT: COMMERCIAL ART**Pre Board I & II Examinations****Theory****UNIT-I****(A) A brief introduction to Indian Miniature School (Pala, Central and Western) (Unit Test)****Miniature Paintings**

(16th Century A.D. to 19th Century A.D.)

A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India.

Appreciation of art works from your syllabus from the following schools

- The Rajasthani School
- The Pahari School
- The Mughal School
- The Deccan School

based on their:

- Origin and Development
- Sub-Schools
- Main features
- Characteristics
- Aesthetic parameters
- Competency based identification of style & technique
- Understanding of emotions and moral values
- Respect for life.

The Rajasthan School:

Title	Painter	Sub-School
Maru-Ragini	Sahibdin	Mewar
Chaugan Players	Dana	Jodhpur
Krishna on Swing	Nuruddin	Bikaner
Radha (Bani-Thani)	Nihal Chand	Kishangarh
Bharat Meets Rama at Chitrakut	Guman	Jaipur

The Pahari School:

Title	Painter	Sub-School
Krishna with Gopis	Manaku	Basohli
Nand, Yashoda and Krishna with Kinsmen going to Vrindavan	Nainsukh	Kangra

The Mughal School:

Title	Painter	Period
Krishna Lifting Mount Goverdhana	Miskin	Akbar
Falcon on a Bird-Rest	Ustad Mansoor	Jahangir
Kabir and Raidas	Ustad Faquirullah Khan	Shahjahan
Marriage procession of Dara Shikoh	Haji Madni	Provincial Mughal (Avadh)

The Deccan School:

Title	Painter	Sub-School
Hazrat Nizamuddin Auliya and Amir Khusro	Unknown	Hyderabad
Chand Bibi Playing Polo (Chaugan)	Unknown	Gol Konda

UNIT-II**The Bengal School of Painting and the Modern trends in Indian Art**

(About the beginning to mid of the 20th Century), **contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag** Appreciation of art works from your syllabus based on their:

- Origin and Development
- Main features
- Characteristics

4. Aesthetic parameters
5. Symbolic representation in artworks.
6. Competency based identification of style & technique
7. Understanding of emotions and moral values
8. Respect for life.

(A) National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement.

(B) The Bengal School of Painting

Title	Painter
Journey's End	Abanindranath Tagore
Shiv and Sati	Nand Lal Bose
Radhika	M.A.R. Chughtai
Meghdoot	Ram Gopal Vijaivargiya

(C) The Modern Trends in Indian Art

Appreciation of the following contemporary (Modern) Indian Art :

(a) Paintings:

Title	Painter
Rama Vanquishing the Pride of the Ocean	Raja Ravi Varma
Mother and Child	Jamini Roy
Haldi Grinders	Amrita Sher Gil
Mother Teresa	M.F. Husain

(b) Graphic - prints:

Title	Painter
Children	Somnath Hore
Devi	Jyoti Bhatt
Of Walls	AnupamSud
Man, Woman and Tree	K. Laxma Goud

(c) Sculptures:

Title	Painter
Triumph of Labour	D. P. Roy Chowdhury
Santhal Family	Ramkinkar Vaij
Cries Un - heard	Amar Nath Sehgal
Ganesha	P.V. Jankiram

Practical Work

(i) Illustration

Study of techniques of illustration on given subjects and simple situations supported by drawing from life and outdoor sketching in different media suitable for printing.

(ii) Poster

Making a poster with specified data and slogan on a given subject in two or three colours.

(iii) Portfolio Assessment

- a) Record of the entire year's performance from sketch to finished product.
- b) Six selected drawings in any media done during the year including minimum of four illustrations
- c) Two selected posters in chosen subject.
- d) One selected work based on Indian Folk Art
- e) One selected work in your own style

Note -

Full syllabus will be included in Pre Board I & II Examinations.

THEORY

One Theory Paper
Unit wise Weightage

30 Marks
Time: 2 Hours

Unit	Content	Marks
1	<ul style="list-style-type: none">• Six Limbs of Indian Art• The Rajasthani School of Miniature Painting• Pahari School of Miniature Painting• The Mughal School of Miniature Painting• Deccan Schools of Miniature Painting	15
2	<ul style="list-style-type: none">• Indian National Flag• The Bengal School of Painting• The Modern Trends in Indian Art Paintings, Graphic Prints, Sculptures	15
		30

PRACTICAL

One Practical Paper
Unit wise Weightage

70 Marks
Time: 6 Hours (3+3)

Units		Marks
1	Illustration	25
2	Poster	25
3	Portfolio Assessment	20
	Total	70

Pre Board I & II Examinations

Map Work

Full syllabus will be included in Pre Board I & II Examinations.

80 Marks
3 Hours

QUESTION PAPER DESIGN

1. The Indus Valley Civilization-Archaeological Excavations and New Perspectives
2. The History and Legacy of Mauryan Empire
3. “Mahabharat”- The Great Epic of India

4. The History and Culture of the Vedic period
5. Buddha Charita
6. A Comprehensive History of Jainism
7. Bhakti Movement- Multiple interpretations and commentaries.
8. “The Mystical Dimensions of Sufism
9. Global legacy of Gandhian ideas
10. The Architectural Culture of the Vijayanagar Empire
11. Life of women in the Mughal rural society
12. Comparative Analysis of the Land Revenue Systems introduced by the Britishers in India
13. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
14. The Philosophy of Guru Nanak Dev
15. The Vision of Kabir
16. An insight into the Indian Constitution
17. Comparative study of Stupas and Pillar edicts
18. Comparative study of Mughal and Vijayanagar architecture

PROJECT WORK: 20 Marks

The teacher will assess the progress of the project work in the following manner:

Month	Periodic Work	Assessment Rubrics	Marks
April-July	Instructions about Project Guidelines, Background reading Discussions on Theme and Selection of the Final Topic, Initiation/ Synopsis	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.	6
August-October	Planning and organization: forming an action plan, feasibility, or baseline study, Updating/modifying the action plan, Data Collection	Significance and relevance of the topic; challenges encountered while conducting the research.	5
November - January	Content/data analysis and interpretation. Conclusion, Limitations, Suggestions, Bibliography, Annexures and overall presentation of the project.	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.	5
January/ February	Final Assessment and VIVA by both Internal and External Examiners	External/ Internal Viva based on the project	4
		TOTAL	20

LIST OF MAPS

S. No	Page No.	Part – I Maps
1	2	Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.
2	3	Mahajanapada and cities: Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.
3	33	Distribution of Ashokan inscriptions: <ul style="list-style-type: none"> • Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi. • Kingdom of Cholas, Cheras and Pandyas.
4	43	Important kingdoms and towns: <ul style="list-style-type: none"> • Kushanas, Shakas, Satavahanas, Vakatakas, Guptas • Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha
5	95	Major Buddhist Sites: Nagarjunakonda, Sanchi, Amaravati, Lumbini, Bharhut, Bodh Gaya, Ajanta
S. No	Page No.	Part II - Maps
6	174	Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli
7	214	Territories under Babur, Akbar and Aurangzeb: <ul style="list-style-type: none"> • Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa.
S. No	Page No.	Part III - Maps
8	287	Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras, Berar, Bengal, Bihar, Orissa, Surat, Calcutta, Patna, Allahabad
9	260	Main centres of the Revolt of 1857: Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Awadh
10		Important centres of the National Movement: Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi

SUBJECT: POLITICAL SCIENCE	
Pre Board I & II Examinations	
Part A: Contemporary World Politics Ch. 1 The End of Bipolarity (Unit Test) Ch. 2 Contemporary Centres of Power (Unit Test) Ch. 3 Contemporary South Asia Ch. 4 International Organizations Ch. 5 Security in the Contemporary World Ch. 6 Environment and Natural Resources Ch. 7 Globalisation Part B: Politics in India since Independence Ch.1 Challenges of Nation-Building (Unit Test) Ch. 2 Era of One-Party Dominance (Unit Test) Ch. 3 Politics of Planned Development Ch. 4 India's External Relations Ch. 5 Challenges to and Restoration of the Congress System Ch. 6 The Crisis of Democratic Order Ch. 7 Regional Aspirations Ch. 8 Recent Developments in Indian Politics Project Work Practical – File (10 marks) and Viva (10 marks)	
Note - Full syllabus will be included in Pre Board I & II Examinations.	

COURSE STRUCTURE

Chapter No.	Chapter Name	Marks Allotted
PART A-CONTEMPORARY WORLD POLITICS		
1	The End of Bipolarity	6
2	Contemporary Centres of Power	6
3	Contemporary South Asia	6
4	International Organizations	6
5	Security in the Contemporary World	6
6	Environment and Natural Resources	6
7	Globalisation	4
	Total	40
PART B-POLITICS IN INDIA SINCE INDEPENDENCE		
1	Challenges of Nation-Building	6
2	Era of One-Party Dominance	4
3	Politics of Planned Development	2
4	India's External Relations	6
5	Challenges to and Restoration of the Congress System	4
6	The Crisis of Democratic Order	4
7	Regional Aspirations	6
8	Recent Developments in Indian Politics	8
		40
	TOTAL	80

Project Guidelines

- The Project work will be implemented for 20 Marks.
- Out of 20 marks, 10 marks are to be allotted to viva voce and 10 marks for project work.
- The evaluation for 20 marks project work should be done jointly by the internal and external examiners.
- The project can be individual/pair/group of 4-5 each. The Project can be made on any of the topics given in the syllabus of a particular class or any contemporary issues.
- The project work can be culminated in the form of films, albums, songs, storytelling, debate, Role Play, Skit, Presentation, Model, Field Survey, Mock Drills/Mock Event etc.
- Students can use primary sources available in city archives, Primary sources can also include newspaper cuttings, photographs, film footage and recorded written/speeches. Secondary sources may also be used after proper authentication.

Suggested Topics

1. NAM- 1961 to present times.
2. Division of Germany with special focus on the construction and dismantling of the Berlin Wall.
3. CIS-Central Asian Republics
4. Disintegration of USSR with special focus on Gorbachev.
5. Arab Spring
6. Cover the negative as well as positive aspects of relationship between India and the following countries. Focus on any one of the following (current updates should be highlighted):
 - a) Relationship between India and Russia
 - b) Relationship between India and China
 - c) Relationship between India and Pakistan
 - d) Relationship between India and Bangladesh
7. ASEAN
8. European Union and BREXIT
9. BRICS
10. SAARC
11. India's Nuclear Policy
12. United Nations with focus on India's candidature in Security Council.
13. UN Agencies – UNICEF, UNESCO, WHO
14. Pandemics: Covid 19- Its global impact (focus on worldwide cooperation and preparedness along with controversies (please collect newspaper clippings for the same)
15. Partition of India-Theory behind it and its legacy
16. Comparison between NITI AAYOG and Planning Commission and their contribution in India's Development.
17. Election 2019- Rise of BJP and Downfall of Congress (1989-2019).
18. Emergency – A blot on Indian Democracy
19. NDA III and NDA IV – Social and Economic welfare programmes.

SUBJECT: GEOGRAPHY**Pre Board I & II Examinations****Part A: Fundamentals of Human Geography**

Ch. 1: Human Geography (Unit Test)

Ch. 2 : The World Population Density Distribution and Growth (Unit Test)

Ch. 3 : Human Development

Ch. 4 : Primary Activities

Ch. 5 : Secondary Activities

Ch. 6 : Tertiary and Quaternary Activities

Ch. 7 : Transport, Communication and Trade

Ch. 8 : International Trade

Part B: India People and Economy

Ch. 1 : Population Distribution Density Growth and Composition (Unit Test)

Ch. 2 : Human Settlements (Unit Test)

Ch. 3 : Land Resources and Agriculture

Ch. 4 : Water Resources

Ch. 5 : Mineral And Energy Resources

Ch. 6 : Planning and Sustainable Development in Indian Context

Ch. 7 : Transport and Communication

Ch. 8 : International Trade

Ch. 9 : Geographical Perspective on selected issues and problems

Part C : Geography Practical-II

Ch. 1 : Data-its source and Compilation

Ch. 2 : Data Processing

Ch. 3 : Graphical representation of Data

Ch. 4 : Spatial Information Technology

Practical Record Book and Viva Voce

Viva to be based on Practical Unit I and II only

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE**Fundamentals of Human Geography**

Chapter No.	Chapter Name	No. of periods	Marks allotted
Unit I			
1	Human Geography	7	3
Unit II			
2	The World Population Density Distribution and Growth	9	8
3	Human Development	7	
Unit III			
4	Primary Activities	12	19
5	Secondary Activities	10	
6	Tertiary and Quaternary Activities	10	
7	Transport, Communication and Trade	15	
8	International Trade	10	5
Map Work (Based on identification of features on World Political Map)		10	
Total		90	35

India People and Economy

Chapter No.	Chapter Name	No. of Periods	Marks allotted
Unit I			
1	Population Distribution Density Growth and Composition	10	5

Unit II			
2	Human Settlements	8	3
Unit III			
3	Land Resources and Agriculture	9	10
4	Water Resources	9	
5	Mineral And Energy Resources	9	
6	Planning and Sustainable Development in Indian Context	7	
Unit IV			
7	Transport and Communication	11	7
8	International Trade	9	
Unit V			
9	Geographical Perspective on selected issues and problems	8	5
Map Work (Based on Marking and labelling on a political Map of India)		10	5
Total		90	35

Geography Practical-II

Chapter No.	Chapter Name	Period	Marks allotted
1	Data-its source and Compilation	5	18
2	Data Processing	8	
3	Graphical representation of Data	15	
4	Spatial Information Technology	12	
Practical Record Book and Viva Voce			5
Total		40	30

SUBJECT : FRENCH	
Pre Board I & II Examinations	
Section-A Comprehension/ Reading: (20 marks) <ul style="list-style-type: none"> One passage from the prescribed book One unseen passage (Factual/Descriptive) (Unit Test) (with a picture/diagrammatically represented data)	
Section-B Writing Skills/Compositions: (20 marks) <ul style="list-style-type: none"> Writing a story based on outlines provided (about 120 words) (Unit Test) Informal letter (about 80 words) 	
Section-C Applied Grammar (25 marks) The following grammar topics will be tested through filling the blanks/ transformation and re-ordering of sentences/ sentence correction (not involving punctuation and spelling) <ul style="list-style-type: none"> Prepositions Interrogative adjectives and pronouns Relative pronouns (simple and composed) (Unit Test) Personal pronouns (Unit Test) Tenses (excluding passé antérieur and passé simple) (Unit Test) Direct and reported speech (Unit Test) Negations 	
Section- D Culture et Civilisation (15 marks) <ul style="list-style-type: none"> Prose (Lessons 18 & 19) (Unit Test) Prose (Lessons 20 -23) Fill in the blanks based on general information in the lessons 	
<u>Note -</u> Full syllabus will be included in Pre Board I & II Examinations.	

Prescribed Book:

Cours de Langue et de Civilisation Françaises – II by G.Mauger

Lessons 18-23

INTERNAL ASSESSMENT

Internal Assessment 20

It may be divided into two parts

- ASL – 10 marks [(Listening (5 marks) speaking (5marks))]
- Project work – 10 marks

(It may be a power point presentation or an illustrated file) The project may be on one of the following themes:

1. A French/ francophone writer
2. A Francophone country
3. French cuisine
4. A French region

EXAMINATION STRUCTURE

Time: 3 hours

Marks: 80+20

The Question Paper will be divided into four sections:

Section A: Comprehension / Reading	20 Marks
Section B: Writing Skills/ Composition	20 Marks
Section C: Applied Grammar	25 Marks
Section D: Culture	15 Marks

Section wise weightage:

Section	Details of Topics/Sections	Type of Questions	Marks
Section A (Understanding)	1 Unseen Prose Passage 1 Seen Passage	<ul style="list-style-type: none"> • True or False • Short answer questions Vocabulary Search: (Fill in the blanks/nouns/verb forms/opposites/synonyms/ language expressions/adjectives/ adverbs) 	10 10
Section B (Creative Writing)	Creative long answers	<ul style="list-style-type: none"> • Story writing based on outline • Informal letter 	10 10
Section C (Application)	Grammar	<ul style="list-style-type: none"> • Tenses (excluding passé antérieur and passé simple) • Relative pronouns (simple and composed) • Personal pronouns • Direct and reported speech • Interrogative adjectives and pronouns • Prepositions • Negation • Jumbled Sentences <p>Note: Topic 1 (Verbs) is compulsory. The student will be tested on any 4 of the remaining topics. (Total 5 Questions)</p>	5 5 5 5 5 5 5 5/8
Section D (Remembering and analysing)	Culture (Lessons 18-23)	<ul style="list-style-type: none"> • Short answers based on the prescribed chapters from the textbook • Fill in the blanks based on general information in the lessons 	10 5

Section A Comprehension/ Reading: (20marks)

- One passage from the prescribed book 10
- One unseen passage (Factual/Descriptive) 10
(with a picture/diagrammatically represented data)

Section B Writing Skills/Compositions: (20 marks)

- Writing a story based on outlines provided (about 120 words) 10
- Informal letter (about 80 words) 10

Section C Applied Grammar (25 marks)

The following grammar topics will be tested through filling the blanks/ transformation and re-ordering of sentences/ sentence correction (not involving punctuation and spelling)

- Prepositions
- Interrogative adjectives and pronouns
- Relative pronouns (simple and composed)
- Personal pronouns
- Tenses (excluding passé antérieur and passé simple)
- Direct and reported speech
- Negations

Section D Culture (15 marks) (Lessons 18 – 23)

- Prose 5 X 2 = 10
- Fill in the blanks based on general information in the lessons 5 X 1 = 5

SUBJECT: YOGA		
Pre Board I & II Examinations		
PART A : EMPLOYABILITY SKILLS Unit 1 : Communication Skills - IV Unit 2 : Self-Management Skills - IV Unit 3 : ICT Skills - IV Unit 4 : Entrepreneurial Skills - IV Unit 5 : Green Skills - IV PART B : SUBJECT SPECIFIC SKILLS Unit 1 – Introduction to Yoga and Yogic Practices - II (Unit Test) Unit 2 – Introduction to Yoga Texts - II Unit 3 – Yoga for Health Promotion - II Project Work		
Note - Full syllabus will be included in Pre Board I & II Examinations.		
COURSE STRUCTURE		
	UNITS	Maximum Marks for Theory and Practical
Part A	Employability Skills	
	Unit 1 : Communication Skills - IV	2
	Unit 2 : Self-Management Skills - IV	2
	Unit 3 : ICT Skills - IV	2
	Unit 4 : Entrepreneurial Skills - IV	2
	Unit 5 : Green Skills - IV	2
	Total	10
Part B	Subject Specific Skills	
	Unit 1 – Introduction to Yoga and Yogic Practices – II	12
	Unit 2 – Introduction to Yoga Texts – II	12
	Unit 3 – Yoga for Health Promotion – II	16
	Total	40
Part C	Practical Work	
	Project	10
	Viva	05
	Practical File	15
	Demonstration of skill competency via Lab Activities	20
	Total	50
	GRAND TOTAL	100

SUBJECT: DESIGN THINKING AND INNOVATION**Pre Board I & II Examinations****PART A : EMPLOYABILITY SKILLS**

Unit 1: Communication Skills – III (Unit Test)

Unit 2: Self-Management Skills – III

Unit 3: ICT Skills – III

Unit 4: Entrepreneurial Skills – III

Unit 5: Green Skills – III

PART B : SUBJECT SPECIFIC SKILLS

Unit 1: Introduction to Indian Knowledge Systems (Unit Test)

Unit 2: Design for Personal Space (Unit Test)

Unit 3: Design for Social Space (Unit Test)

Unit 4: Design for Public Space

Unit 5: Capstone Final Design Project Stage 1 – Observations and Analysis

Unit 6: Capstone Final Design Project Stage 2 – Ideation and Alternate Solutions

Unit 7: Capstone Final Design Project Stage 3 – Prototyping and Feedback

Unit 8: Capstone Final Design Project Stage 4 – Presentation and Documentation

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

	UNITS	MAX MARKS	
PART A	EMPLOYABILITY SKILLS		
	Unit 1: Communication Skills – IV	2	
	Unit 2: Self-Management Skills – IV	2	
	Unit 3: ICT Skills – IV	2	
	Unit 4: Entrepreneurial Skills – IV	2	
	Unit 5: Green Skills – IV	2	
	TOTAL	60	10
PART B	SUBJECT SPECIFIC SKILLS	Theory	Practical
	Unit 1: Introduction to Indian Knowledge Systems	15	05
	Unit 2: Design for Personal Space	15	05
	Unit 3: Design for Social Space	15	05
	Unit 4: Design for Public Space	15	05
	Unit 5: Capstone Final Design Project Stage 1 – Observations and Analysis	08	10
	Unit 6: Capstone Final Design Project Stage 2 – Ideation and Alternate Solutions	08	10
	Unit 7: Capstone Final Design Project Stage 3 – Prototyping and Feedback	08	10
	Unit 8: Capstone Final Design Project Stage 4 – Presentation and Documentation	06	10
	TOTAL	90	60
PART C	PRACTICAL WORK / PROJECT WORK		
	Practical File	15	
	Practical Examination + Viva Voce	20	
	Project Work/field Visit/ student Portfolio (Any one has to be done) + Viva Voce	15	
	TOTAL	50	
	GRAND TOTAL	210	100

SUBJECT: ARTIFICIAL INTELLIGENCE**Pre Board I & II Examinations****PART A : EMPLOYABILITY SKILLS**

Unit 1: Communication Skills-IV (Unit Test)
 Unit 2: Self-Management Skills-IV (Unit Test)
 Unit 3: ICT Skills-IV
 Unit 4: Entrepreneurial Skills-IV
 Unit 5: Green Skills-IV

PART B : SUBJECT SPECIFIC SKILLS

Unit 1: Python Programming – II*(Unit Test)
 Unit 2: Data Science Methodology: An Analytic Approach to Capstone Project (Unit Test)
 Unit 3: Making Machines See (Unit Test)
 Unit 4: AI with Orange Data Mining Tool*
 Unit 5: Introduction to Big Data and Data Analytics
 Unit 6: Understanding Neural Networks
 Unit 7: Generative AI
 Unit 8: Data Storytelling

Project Work

Note -

Full syllabus will be included in Pre Board I & II Examinations.

COURSE STRUCTURE

	UNITS	MAX MARKS
PART A	EMPLOYABILITY SKILLS	
	Unit 1: Communication Skills-IV	2
	Unit 2: Self-Management Skills-IV	2
	Unit 3: ICT Skills-IV	2
	Unit 4: Entrepreneurial Skills-IV	2
	Unit 5: Green Skills-IV	2
	TOTAL	10
PART B	SUBJECT SPECIFIC SKILLS	
	Unit 1: Python Programming – II*	(*to be evaluated in practicals only)
	Unit 2: Data Science Methodology: An Analytic Approach to Capstone Project	8
	Unit 3: Making Machines See	6
	Unit 4: AI with Orange Data Mining Tool*	(*to be evaluated in practicals only)
	Unit 5: Introduction to Big Data and Data Analytics	6
	Unit 6: Understanding Neural Networks	8
	Unit 7: Generative AI	7
	Unit 8: Data Storytelling	5
	TOTAL	40
PART C	PRACTICAL WORK / PROJECT WORK	
	Capstone Project + Project Documentation <ul style="list-style-type: none"> Capstone Project =15 Marks Project Documentation = 6 Marks Video= 4 Marks 	25
	Practical File	10
	Lab Test (Python and Orange Data Mining)	10
	Viva Voce (based on Capstone Project + Practical File)	5
	TOTAL	50
	GRAND TOTAL (THEORY + PRACTICAL)	100

SUBJECT: MARKETING		
Pre Board I & II Examinations		
PART A : EMPLOYABILITY SKILLS Unit 1: Communication Skills – IV (Unit Test) Unit 2: Self-Management Skills – IV Unit 3: ICT Skills – IV Unit 4: Entrepreneurial Skills – IV Unit 5: Green Skills – IV PART B : SUBJECT SPECIFIC SKILLS Unit 1: Product (Unit Test) Unit 2: Price Decision Unit 3: Place Decision: Channels of Distribution Unit 4: Promotion Unit 5: Emerging Trends in Marketing Project Work		
Note - Full syllabus will be included in Pre Board I & II Examinations.		
COURSE STRUCTURE		
	UNITS	MAX. MARKS for Theory and Practical 100
PART A	Employability Skills	
	Unit 1 : Communication Skills-IV	2
	Unit 2 : Self-Management Skills-IV	2
	Unit 3 : ICT Skills-IV	2
	Unit 4 : Entrepreneurial Skills-IV	2
	Unit 5 : Green Skills-IV	2
	Total	10
PART B	Subject Specific Skills	
	Unit 1: Product	10
	Unit 2: Price Decision	10
	Unit 3: Place Decision: Channels of Distribution	10
	Unit 4: Promotion	10
	Unit 5: Emerging Trends in Marketing	10
	Total	50
PART C	Practical Work	
	Project	10
	Viva	10
	Practical File	10
	Demonstration of skill competency via Lab Activities	10
	Total	40
	GRAND TOTAL	100