

**Syllabus (Class XII) 2024-25**

**SUBJECT: ENGLISH CORE**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
<p><b>Section-A</b> <b><u>READING SKILLS- (22 marks)</u></b></p> <ul style="list-style-type: none"> <li>Two unseen passages</li> </ul> <p><b>Section-B</b> <b><u>CREATIVE WRITING SKILLS (18 marks)</u></b></p> <p>(a) Notice Writing (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</p> <p><b>Section-C</b> <b><u>LITERATURE TEXTBOOKS (40 marks)</u></b></p> <p align="center"><b><u>TEXTBOOK – FLAMINGO</u></b></p> <p><b><u>Prose</u></b> L-1 The Last Lesson L-2 Lost Spring L-3 Deep Water L-4 The Rattrap</p> <p><b><u>Poetry</u></b> P-1 My Mother at Sixty Six P-2 Keeping Quiet P-3 A Thing of Beauty</p> <p align="center"><b><u>SUPPLEMENTARY READER-VISTAS</u></b></p> <p>1. The Third Level 2. The Tiger King 3. Journey to the End of the Earth</p>	<p><b>Section-A</b> <b><u>READING SKILLS (22 marks)</u></b></p> <ul style="list-style-type: none"> <li>Two unseen passages</li> </ul> <p><b>Section-B</b> <b><u>CREATIVE WRITING SKILLS (18 marks)</u></b></p> <p>(a) Letters to the editor (giving suggestions or opinion on issues of public interest) (b) Long Compositions based on verbal input may be descriptive or analytical in nature such as report writing</p> <p><b>Section-C</b> <b><u>LITERATURE TEXTBOOKS (40 marks)</u></b></p> <p align="center"><b><u>TEXTBOOK – FLAMINGO</u></b></p> <p><b><u>Prose</u></b> L-5 Indigo L-6 Poets and Pancakes L-7 The Interview L-8 Going Places</p> <p><b><u>Poetry</u></b> P-4 A Roadside Stand P-5 Aunt Jennifer’s Tigers</p> <p align="center"><b><u>SUPPLEMENTARY READER-VISTAS</u></b></p> <p>4. The Enemy 5. On the Face of It 6. Memories of Childhood</p> <ul style="list-style-type: none"> <li>The Cutting of My Long Hair</li> <li>We too are Human Beings</li> </ul> <p><b><u>Note -</u></b> Full syllabus taught <b>from</b> April <b>to</b> November / December will be included in Pre-Board Exam.</p>

**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=6Marks)
  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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
Unit I : Electrostatics Unit II : Current Electricity Unit III : Magnetic effect of current & Magnetism Unit IV: Electromagnetic Induction and Alternating current Unit V : Electromagnetic Waves Unit VI : Optics  <b>List of Experiments</b> <b>Section -A</b> 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  <b>List of Activities</b> 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.	Unit VII : Dual Nature of Matter Unit VIII : Atoms and Nuclei Unit IX : Electronic Devices  <b>List of Experiments</b> <b>Section -B</b> 1. To draw the I-V characteristic curve of a p-n junction in forward bias and reverse bias. 2. To determine refractive index of a glass slab using a travelling microscope. 3. To find the refractive index of water using a convex lens and plane mirror 4. To find the value of v for different values of u in case of concave mirror and to find the focal length.  <b>List of Activities</b> 1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab. 3. 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  <u><b>Note -</b></u> Full syllabus taught <b>from</b> April to November / December will be included in Pre-Board Exam.

**COURSE STRUCTURE**

**Time: 3 hrs.**

**Max Marks: 70**

		<b>Marks</b>
<b>Unit-I</b>	<b>Electrostatics</b>	<b>16</b>
	Chapter-1: Electric Charges and Fields	
	Chapter-2: Electrostatic Potential and Capacitance	
<b>Unit-II</b>	<b>Current Electricity</b>	<b>17</b>
	Chapter-3: Current Electricity	
<b>Unit-III</b>	<b>Magnetic Effects of Current and Magnetism</b>	<b>18</b>
	Chapter-4: Moving Charges and Magnetism	
	Chapter-5: Magnetism and Matter	
<b>Unit-IV</b>	<b>Electromagnetic Induction and Alternating Currents</b>	<b>18</b>
	Chapter-6: Electromagnetic Induction	
	Chapter-7: Alternating Current	
<b>Unit-V</b>	<b>Electromagnetic Waves</b>	<b>18</b>
	Chapter-8: Electromagnetic Waves	
<b>Unit-VI</b>	<b>Optics</b>	

	Chapter–9: Ray Optics and Optical Instruments	
	Chapter–10: Wave Optics	
<b>Unit–VII</b>	<b>Dual Nature of Radiation and Matter</b>	<b>12</b>
	Chapter–11: Dual Nature of Radiation and Matter	
<b>Unit–VIII</b>	<b>Atoms and Nuclei</b>	
	Chapter–12: Atoms	
	Chapter–13: Nuclei	
<b>Unit–IX</b>	<b>Electronic Devices</b>	<b>7</b>
	Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits	
<b>Total</b>		<b>70</b>

## 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
<b>Total</b>	<b>30 Marks</b>

**SUBJECT: CHEMISTRY****Half Yearly Exam (April to September)****Pre-Board Exam (April to November/December)****Theory**

Unit 1: Solutions  
 Unit 2: Electrochemistry  
 Unit 3: Chemical Kinetics  
 Unit 6: Haloalkanes and Haloarenes  
 Unit 7: Alcohols, Phenols and Ethers  
 Unit 8: Aldehydes, Ketones and Carboxylic Acids  
 Unit 9: Amines

**Practicals**

1. Volumetric analysis
2. Salt analysis
3. Content based experiments
4. Project Work
5. Class record and viva

**Theory**

Unit 4 : The d -and f -Block Elements  
 Unit 5: Coordination Compounds  
 Unit 10 : Biomolecules

**Note -**

Full syllabus taught **from April to November / December** will be included in Pre-Board Exam.

**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
<b>Total</b>		<b>70</b>

**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
<b>Total</b>	<b>30 Marks</b>

**SUBJECT: MATHEMATICS****Half Yearly Exam (April to September)****Pre-Board Exam (April to November/December)**

L-1 Relation and Functions  
 L-2 Inverse Trigonometric Functions  
 L-3 Matrices  
 L-4 Determinants  
 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 taught **from April to November / December** will be included in Pre-Board Exam.

**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
	<b>Total</b>	80
	<b>Internal Assessment</b>	20

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

**SUBJECT: APPLIED MATHEMATICS**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
Unit I Numbers & Quantification and Numerical Applications Unit II Algebra Unit III Calculus Unit IV Probability Distribution Unit V Inferential Statistics Unit VI Index Numbers and Time Based Data  Project	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)  <b>Note -</b> Full syllabus taught <b>from April to November / December</b> will be included in Pre-Board Exam.

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

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

**INTERNAL ASSESSMENT**

<b>Sl. No.</b>	<b>Area and Weightage</b>	<b>Assessment Area</b>	<b>Marks allocated</b>
1	Project work (10 marks)	Project work and record	5
		Year-end Presentation/ Viva of the Project	5
2	Practical work (10 marks)	Performance of practical and record	5
		Year-end test of any one practical	5
		<b>Total</b>	<b>20</b>

**SUBJECT: BIOLOGY****Half Yearly Exam (April to September)****Pre-Board Exam (April to November/December)**

Chapter 2- Sexual Reproduction in Flowering Plants  
 Chapter 3- Human Reproduction  
 Chapter 4- Reproductive health  
 Chapter 5- Principles of Inheritance and Variation  
 Chapter 6- Molecular basis of inheritance  
 Chapter 7- Evolution

Chapter 8- Human Health and diseases  
 Chapter 10- Microbes in human welfare  
 Chapter 11- Biotechnology: Principles and Processes  
 Chapter 12- Biotechnology and its Applications  
 Chapter 13- Organisms and Populations  
 Chapter 14- Ecosystem  
 Chapter 15- Biodiversity and conservation

**Practicals:****A. List of Experiments**

1. Prepare a temporary mount to observe pollen germination.
2. Prepare a temporary mount of onion root tip to study mitosis.

**B. Study/observation of 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. Flash cards models showing examples of homologous and analogous organs.

**Practicals:****A. List of Experiments:**

1. Study the plant population density by quadrat method.
2. Study the plant population frequency by quadrat method.
3. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.

**B. Study/observation of the following (Spotting)**

1. 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.
2. Models specimen showing symbolic association in root modules of leguminous plants, Cuscuta on host, lichens.

**Project Work****Note -**

Full syllabus taught from April to November / December will be included in Pre-Board Exam.

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

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



**PRACTICALS**

**Time allowed: 3 Hours**

**Max. Marks: 30**

<b>Evaluation Scheme</b>	<b>Marks</b>
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
<b>Total</b>	<b>30</b>

**SUBJECT: ACCOUNTANCY**

**Half Yearly Exam (April to September)**

**Pre-Board Exam (April to November/December)**

**Part – A**

Ch 1: Accounting for Partnership Firms- Fundamentals  
 Ch 2: Goodwill : Nature & Valuation  
 Ch 3: Change in Profit-Sharing Ratio among the Existing Partners  
 Ch 4: Admission of a Partner  
 Ch 5: Retirement of a Partner  
 Ch 6: Death of a Partner  
 Ch 7: Dissolution of a Partnership Firm

**Part – B**

Ch 4: Accounting Ratios

Project work

**Part – A**

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 5: Cash Flow Statement

Project work

**Note -**

Full syllabus taught **from** April **to** November / December will be included in Pre-Board Exam.

**Theory: 80 Marks**

**Project: 20 Marks**

**3 Hours**

Units		Marks
<b>Part A</b>	<b>Accounting for Partnership Firms and Companies</b>	
	Unit 1. Accounting for Partnership Firms	36
	Unit 2. Accounting for Companies	24
		<b>60</b>
<b>Part B</b>	<b>Financial Statement Analysis</b>	
	Unit 3. Analysis of Financial Statements	12
	Unit 4. Cash Flow Statement	8
		<b>20</b>
<b>Part C</b>	<b>Practical Work</b>	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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
<p><b><u>Part A : Principles and Functions of Management</u></b>                      Ch. 1 Nature and Significance of Management                      Ch. 2 Principles of Management                      Ch. 3 Business Environment                      Ch. 4 Planning                      Ch. 5 Organizing</p> <p><b><u>Part B: Business Finance and Marketing</u></b>                      Ch.11 Marketing Management                      Ch.12 Consumer Protection</p> <p>Project Work</p>	<p><b><u>Part A : Principles and Functions of Management</u></b>                      Ch. 6 Staffing                      Ch. 7 Directing                      Ch. 8 Controlling</p> <p><b><u>Part B: Business Finance and Marketing</u></b>                      Ch. 9 Financial Management                      Ch.10 Financial Markets</p> <p>Project work</p> <p><b><u>Note -</u></b>                      Full syllabus taught <b>from April to November / December</b> will be included in Pre-Board Exam.</p>

**Course Structure**

**Theory: 80 Marks**  
**Project: 20 Marks**

**3 Hours**

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

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

Now the students are required to make a project on the identified product/servicekeeping 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
	<b>Total</b>	<b>20 Marks</b>



## SUBJECT: ECONOMICS

Half Yearly Exam (April to September)	Pre-Board Exam (April to November/December)
<p><b>Part – A Introductory Macroeconomics</b> Unit 1 National Income and Related Aggregates Unit 4 Government Budget and the Economy Unit 5 Foreign Exchange Rate, Balance of Payments</p> <p><b>Part – B Indian Economic Development</b> Unit 6 Development Experience (1947-90) and Economic Reforms since 1991</p> <p>Project Work</p>	<p><b>Part – A Introductory Macroeconomics</b> Unit 2 Money and Banking Unit 3 Determination of Income and Employment</p> <p><b>Part – B Indian Economic Development</b> Unit 7 Current Challenges facing Indian Economy Unit 8 Development Experience of India – A Comparison with Neighbours</p> <p>Project Work</p> <p><u>Note -</u> Full syllabus taught from April to November / December will be included in Pre-Board Exam.</p>

### COURSE STRUCTURE

Theory: 80 Marks

3 Hours

Project: 20 Marks

Units		Marks
<b>Part A</b>	<b>Introductory Macroeconomics</b>	
	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
		<b>40</b>
<b>Part B</b>	<b>Indian Economic Development</b>	
	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
	<b>Theory Paper (40+40 = 80 Marks)</b>	<b>40</b>
<b>Part C</b>	<b>Project Work</b>	<b>20</b>

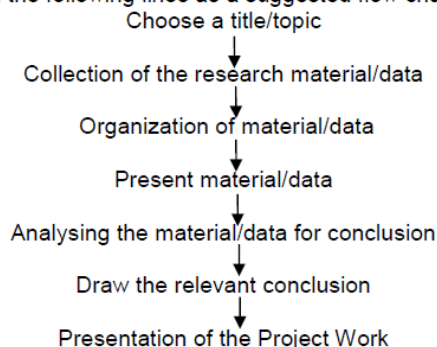
### PRACTICAL

- Half Yearly Exam - Project Work 20 marks (File 12 marks and Viva 8 marks)
- Pre-Board Exam - 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:**

<b>Class XII</b>	
• 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
• <i>Aatmanirbhar</i> 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	• <b>Any other topic</b>

**SUBJECT: ENTREPRENEURSHIP****Half Yearly Exam (April to September)**

Unit-1: Entrepreneurial Opportunity  
 Unit-2 : Entrepreneurial Planning  
 Unit-3: Enterprise Marketing  
 Unit-4 : Enterprise Growth Strategies

Project Work

**Pre-Board Exam (April to November/December)**

Unit-5 : Business Arithmetic  
 Unit-6 : Resource Mobilization

Project Work

**Note -**

Full syllabus taught **from April to November / December** will be included in Pre-Board Exam.

**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	
	<b>Total</b>	<b>70</b>
	<b>Project Work</b>	30
	<b>Total</b>	<b>100</b>

**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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
Unit I : Management of Sporting Events Unit II : Children & Women in Sports Unit III : Yoga as Preventive measure for Lifestyle Disease Unit IV : Physical Education and Sports for CWSN (Children with Special Needs-Divyang) Unit V : Sports & Nutrition  Practicals	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  Practicals  <u><b>Note -</b></u> Full syllabus taught <b>from</b> April <b>to</b> November / December will be included in Pre-Board Exam.

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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
<b>Unit 1: Data Handling using Pandas and Data Visualization</b> Ch 2. Data Handling using Pandas –I Ch 3. Data Handling using Pandas –II  <b>Unit 2: Database Query using SQL</b> Ch 1. Query and SQL Functions	<b>Unit 1: Data Handling using Pandas and Data Visualization</b> Ch 4. Plotting Data Using Matplotlib  <b>Unit 3: Introduction to Computer Networks</b> Ch 5. Internet and Web  <b>Unit 4: Societal Impacts</b> Ch 6. Societal Impacts  <b>Note -</b> Full syllabus taught <b>from</b> April <b>to</b> November / December will be included in Pre-Board Exam.

**COURSE STRUCTURE**

<b>Unit No</b>	<b>Unit Name</b>	<b>Marks</b>
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**

<b>S. No.</b>	<b>Unit Name</b>	<b>Marks</b>
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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
<p><b><u>Theory</u></b>            Unit I : Variations in Psychological Attributes            Unit II : Self and Personality            Unit III : Meeting Life Challenges            Unit IV : Psychological Disorders</p> <p><b><u>Practical Examination</u></b>            1. Development of case profile            2. Test administration:                Students are required to administer and interpret five tests.            3. Viva Voce (Project )            4. In Practical examination, the student will be required to administer and interpret two psychological tests.           <ul style="list-style-type: none"> <li>• Intelligence</li> <li>• Personality</li> <li>• Stress</li> <li>• Self-concept</li> </ul> </p>	<p><b><u>Theory</u></b>            Unit V : Therapeutic Approaches            Unit VI : Attitude and Social Cognition            Unit VII : Social Influence and Group Processes</p> <p><b><u>Note -</u></b>            Full syllabus taught <b>from April to November / December</b> will be included in Pre-Board Exam.</p>

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

<b>Units</b>	<b>Topics</b>	<b>Marks</b>
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
<b>Total</b>		<b>70</b>

**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
<b>Total</b>	<b>30 Marks</b>

**SUBJECT: LEGAL STUDIES****Half Yearly Exam (April to September)**

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

Project Work

**Pre-Board Exam (April to November/December)**

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 taught **from April to November / December** will be included in Pre-Board Exam.

**Books prescribed by CBSE****COURSE STRUCTURE**

**Time: 3 hrs.**

**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
	<b>Total</b>	<b>100</b>

**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****Half Yearly Exam (April to September)****Theory****UNIT-I****(A) A brief introduction to Indian Miniature School (Pala, Central and Western)****(B) The Rajasthan School of Miniature Painting**

- 1) Origin and Development
- 2) Sub-Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- 3) Main features of the Rajasthan School
- 4) Study of the following Rajasthan Paintings:

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

**(C) The Pahari School**

- 1) Origin and development
- 2) Sub-Schools-Basohli, Guler, Kangra, Chamba and Garhwal
- 3) Main features of the Pahari School
- 4) Study of the following Pahari Paintings:

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

**UNIT-II****(A) The Mughal School of Miniature Painting**

- 1) Origin and development
- 2) Main features of the Mughal School
- 3) Study of the following Mughal Paintings:

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)

**(B) The Deccan School of Miniature Painting**

- 1) Origin and development
- 2) Main features of the Deccan School
- 3) Study of the following Deccan Paintings:

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

**UNIT-III****(A) The Bengal School of Painting**

National Flag of India and the Symbolic significance of its forms and the colours.

- 1) Introduction to the Bengal School of Painting
  - (i) Origin and development of the Bengal School of painting

**Pre-Board Exam (April to November/December)****Theory****(A) The Modern Trends in Indian Art**

- (1) Introduction of Contemporary art
- (2) Study and appreciation of the following work of 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) Indian Folk Art****Note -**

Full syllabus taught from April to November / December will be included in Pre-Board Exam.



- (ii) Main features of the Bengal School of painting
- 2) Contribution of Indian artists in the struggle for National Freedom Movement
- 3) Study and appreciation of the following paintings of the Bengal school:

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

### **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.

## **THEORY**

### **One Theory Paper**

**30 Marks**

#### **Unit wise Weightage**

**Time: 2 Hours**

Units		Marks
1 (a)	Six Limbs of Indian Art	10
	The Rajasthani and Pahari Schools of Miniature Painting	
2	The Mughal and Deccan Schools of Miniature Painting	10
3	The Indian National Flag and the Bengal School of Painting and The Modern Trends in Indian Art	10
Total		<b>30</b>

## **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		<b>70</b>

**SUBJECT: COMMERCIAL ART****Half Yearly Exam (April to September)****Theory****UNIT-I****(A) A brief introduction to Indian Miniature School (Pala, Central and Western)****(B) The Rajasthan School of Miniature Painting**

- 1) Origin and Development
- 2) Sub-Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- 3) Main features of the Rajasthan School
- 4) Study of the following Rajasthan Paintings:

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

**(A) The Pahari School**

- 1) Origin and development
- 2) Sub-Schools-Basohli, Guler, Kangra, Chamba and Garhwal
- 3) Main features of the Pahari School
- 4) Study of the following Pahari Paintings:

Title	Painter	Period
Krishna with Gopis	Manaku	Basohli
Nand, Yashoda and Krishna with Kinsmen going to Vrindavana	Nainsukh	Kangra

**UNIT-II****(A) The Mughal School of Miniature Painting**

- 1) Origin and development
- 2) Main features of the Mughal School
- 3) Study of the following Mughal Paintings:

Title	Painter	Sub-School
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)

**(B) The Deccan School of Miniature Painting**

- 1) Origin and development
- 2) Main features of the Deccan School
- 3) Study of the following Deccan Paintings:

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

**UNIT-III****(A) The Bengal School of Painting**

National Flag of India and the Symbolic significance of its forms and the colours.

- 1) Introduction to the Bengal School of Painting
  - (i) Origin and development of the Bengal School of painting
  - (ii) Main features of the Bengal School of painting

**Pre-Board Exam (April to November/December)****Theory****(A) The Modern Trends in Indian Art**

- (1) Introduction of Contemporary art
- (2) Study and appreciation of the following work of 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) Indian Folk Art****Note -**

Full syllabus taught **from April to November / December** will be included in Pre-Board Exam.

- 2) Contribution of Indian artists in the struggle for National Freedom Movement
- 3) Study and appreciation of the following paintings of the Bengal school:

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

### **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.

## **THEORY**

### **One Theory Paper**

**30 Marks**

#### **Unit wise Weightage**

**Time: 2 Hours**

Units		Marks
1 (a)	Six Limbs of Indian Art	10
	The Rajasthani and Pahari Schools of Miniature Painting	
2	The Mughal and Deccan Schools of Miniature Painting	10
3	The Indian National Flag and the Bengal School of Painting and The Modern Trends in Indian Art	10
Total		<b>30</b>

## **PRACTICAL**

### **One Practical Paper**

**70 Marks**

#### **Unit wise Weightage**

**Time: 6 Hours (3+3)**

Units		Marks
1	Illustration	25
2	Poster	25
3	Portfolio Assessment	20
Total		<b>70</b>

**SUBJECT: HISTORY**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
1. Bricks, Beads and Bones 2. Kings, Farmers and Towns 3. Kinship, Caste and Class 4. Thinkers, Beliefs and Buildings 5. Through the Eyes of Travellers 6. Bhakti – Sufi Traditions 7. An Imperial Capital :Vijaynagar 8. Peasants, Zamindars-And-The-State  Map Work	9. Colonialism and the Countryside 10. Rebels and the Raj 11. Mahatma Gandhi and the Nationalist Movement 12. Framing the Constitution  Map Work  <u><b>Note -</b></u> Full syllabus taught <b>from April to November / December</b> will be included in Pre-Board Exam.

**COURSE STRUCTURE**

<b>One-Theory</b>	<b>Paper 80Marks</b> 3 Hours
<b>THEMES</b>	<b>Marks</b>
<b>Themes in Indian History Part-I</b>	<b>25</b>
Theme 1 Bricks, Beads and Bones	
Theme 2 Kings, Farmers and Towns	
Theme 3 Kinship, Caste and Class	
Theme 4 Thinkers, Beliefs and Buildings	
<b>Themes In Indian History Part-II</b>	<b>25</b>
Theme 5 Through the Eyes of Travellers	
Theme 6 Bhakti –Sufi Traditions	
Theme 7 An Imperial Capital: Vijayanagar	
Theme 8 – Peasants, Zamindars and the State	
<b>Themes In Indian History Part-III</b>	<b>25</b>
Theme 9 Colonialism and The Countryside	
Theme 10 Rebels and the Raj	
Theme 11 Mahatma Gandhi and the Nationalist Movement	
Theme 12 Framing the Constitution	
Including Map Work of The Related Themes	<b>5</b>
<b>Total</b>	<b>80</b>
<b>Project work</b>	<b>20</b>
<b>Total</b>	<b>100</b>

**QUESTION PAPER DESIGN**

<b>Book</b>	<b>MCQ</b>		<b>SA</b>		<b>LA</b>		<b>Source Based</b>		<b>Map</b>	<b>Total</b>	
	<b>No of questions</b>	<b>MM</b>	<b>No of questions</b>	<b>MM</b>	<b>No of questions</b>	<b>MM</b>	<b>No of questions</b>	<b>MM</b>		<b>Theory</b>	<b>Internal</b>
Part I	7	1	2	3	1	8	1	4		25	
Part II	7	1	2	3	1	8	1	4		25	
Part III	7	1	2	3	1	8	1	4		25	
Map									05	05	
Project										80	20
<b>Total</b>	<b>7x 3=21</b>		<b>6x 3=18</b>		<b>3x 8= 24</b>		<b>3x4=12</b>		<b>1x5=5</b>	<b>100 marks</b>	

**FEW SUGGESTIVE TOPICS FOR PROJECTS**

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/ Synopses	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	<b>Final Assessment and VIVA by both Internal and External Examiners</b>	External/ Internal Viva based on the project	4
		<b>TOTAL</b>	<b>20</b>

**LIST OF MAPS**

S. No	Page No.	Part – I Maps
1	2	<b>Mature Harappan sites:</b> Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.
2	3	<b>Mahajanapada and cities:</b> Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.
3	33	<b>Distribution of Ashokan inscriptions:</b> <ul style="list-style-type: none"> <li>● Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi.</li> <li>● Kingdom of Cholas, Cheras and Pandyas.</li> </ul>
4	43	<b>Important kingdoms and towns:</b> <ul style="list-style-type: none"> <li>● Kushanas, Shakas, Satavahanas, Vakatakas, Guptas</li> <li>● Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha</li> </ul>
5	95	<b>Major Buddhist Sites:</b> 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	<b>Territories under Babur, Akbar and Aurangzeb:</b> <ul style="list-style-type: none"> <li>● Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa.</li> </ul>
S. No	Page No.	Part III - Maps
8	287	<b>Territories/cities under British Control in 1857:</b> 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**

<b>Half Yearly Exam (April to September)</b>	<b>Pre-Board Exam (April to November/December)</b>
<p><b>Part A: Contemporary World Politics</b> Ch. 1 The End of Bipolarity Ch. 2 Contemporary Centres of Power Ch. 3 Contemporary South Asia Ch. 4 International Organizations</p> <p><b>Part B: Politics in India since Independence</b> Ch.1 Challenges of Nation-Building Ch. 2 Era of One-Party Dominance Ch. 3 Politics of Planned Development Ch. 4 India's External Relations</p> <p>Project Work <b>Practical – File (10 marks) and Viva (10 marks)</b></p>	<p><b>Part A: Contemporary World Politics</b> Ch. 5 Security in the Contemporary World Ch. 6 Environment and Natural Resources Ch. 7 Globalisation</p> <p><b>Part B: Politics in India since Independence</b> 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</p> <p>Project Work <b>Practical – File (10 marks) and Viva (10 marks)</b></p> <p><b>Note -</b> Full syllabus taught <b>from</b> April <b>to</b> November / December will be included in Pre-Board Exam.</p>

**COURSE STRUCTURE**

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

**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.
- The teacher should give enough time for preparation of the Project Work. The topics for Project Work taken up by the student must be discussed by the teacher in classroom.
- 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**

Half Yearly Exam (April to September)	Pre-Board Exam (April to November/December)
<p><b>Part A:</b> Fundamentals of Human Geography Ch. 1: Human Geography Ch. 2 : The World Population Density Distribution and Growth Ch. 3 : Human Development Ch. 4 : Primary Activities</p> <p><b>Part B:</b> India People and Economy Ch. 1 : Population Distribution Density Growth and Composition Ch. 2 : Human Settlements Ch. 3 : Land Resources and Agriculture Ch. 4 : Water Resources Ch. 5 : Mineral And Energy Resources</p> <p><b>Part C : Geography Practical-II</b> Ch. 1 : Data-its source and Compilation Ch. 2 : Data Processing</p> <p>Practical Record Book and Viva Voce Viva to be based on Practical Unit I and II only</p>	<p><b>Part A:</b> Fundamentals of Human Geography Ch. 1: Human Geography Ch. 2 : The World Population Density Distribution and Growth 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</p> <p><b>Part B:</b> India People and Economy Ch. 1 : Population Distribution Density Growth and Composition Ch. 2 : Human Settlements 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</p> <p><b>Part C : Geography Practical-II</b> Ch. 1 : Data-its source and Compilation Ch. 2 : Data Processing Ch. 3 : Graphical representation of Data Ch. 4 : Spatial Information Technology</p> <p>Practical Record Book and Viva Voce Viva to be based on Practical Unit I and II only</p> <p><b>Note -</b> Full syllabus taught <b>from April to November / December</b> will be included in Pre-Board Exam.</p>

**COURSE STRUCTURE**

**Fundamentals of Human Geography**

Chapter No.	Chapter Name	No. of periods	Marks allotted
<b>Unit I</b>			
1	Human Geography	7	3
<b>Unit II</b>			
2	The World Population Density Distribution and Growth	9	8
3	Human Development	7	
<b>Unit III</b>			
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	
<b>Map Work (Based on identification of features on World Political Map)</b>		10	5
<b>Total</b>		90	35



## India People and Economy

Chapter No.	Chapter Name	No. of Periods	Marks allotted
<b>Unit I</b>			
1	Population Distribution Density Growth and Composition	10	5
<b>Unit II</b>			
2	Human Settlements	8	3
<b>Unit III</b>			
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	
<b>Unit IV</b>			
7	Transport and Communication	11	7
8	International Trade	9	
<b>Unit V</b>			
9	Geographical Perspective on selected issues and problems	8	5
<b>Map Work (Based on Marking and labelling on a political Map of India)</b>		10	5
<b>Total</b>		<b>90</b>	<b>35</b>

## 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	
<b>Practical Record Book and Viva Voce</b>			<b>5</b>
<b>Total</b>		<b>40</b>	<b>30</b>

<b>SUBJECT : FRENCH</b>	
<b>HALF YEARLY EXAM</b>	<b>FINAL EXAM</b>
<p><b>Section – A</b>  <b>Comprehension/ Reading: (20 marks)</b></p> <ul style="list-style-type: none"> <li>• One passage from the prescribed book 10</li> <li>• One unseen passage (Factual/Descriptive) 10</li> </ul> <p><b>(with a picture/diagrammatically represented data)</b></p> <p><b>Section – B</b>  <b>Writing Skills/Compositions: (20 marks)</b></p> <ul style="list-style-type: none"> <li>• Writing a story based on outlines provided (about 120 words)</li> <li>• Informal letter (about 80 words)</li> </ul> <p><b>Section-C</b>  <b>Applied Grammar (25 marks)</b>            The following grammar topics will be tested through filling the blanks/ transformation and re-ordering of sentences/ sentence correction (not involving punctuation and spelling)</p> <ul style="list-style-type: none"> <li>• Prepositions</li> <li>• Interrogative adjectives and pronouns</li> <li>• Relative pronouns (simple and composed)</li> <li>• Personal pronouns</li> <li>• Tenses (excluding passé antérieur and passé simple)</li> <li>• Direct and reported speech</li> <li>• Negations</li> </ul> <p><b>Section- D</b>  <b>Culture et Civilisation (15 marks)</b></p> <ul style="list-style-type: none"> <li>• Prose (Lessons 18-21)</li> <li>• Fill in the blanks based on general information in the lessons</li> </ul>	<p><b>Section – A</b>  <b>Comprehension/ Reading: (20 marks)</b></p> <ul style="list-style-type: none"> <li>• One passage from the prescribed book</li> <li>• One unseen passage (Factual/Descriptive) (with a picture/diagrammatically represented data)</li> </ul> <p><b>Section – B</b>  <b>Writing Skills/Compositions: (20 marks)</b></p> <ul style="list-style-type: none"> <li>• Writing a story based on outlines provided (about 120 words)</li> <li>• Informal letter (about 80 words)</li> </ul> <p><b>Section-C</b>  <b>Applied Grammar (25 marks)</b>            The following grammar topics will be tested through filling the blanks/ transformation of sentences/ sentence correction (not involving punctuation and spelling)</p> <ul style="list-style-type: none"> <li>• Prepositions</li> <li>• Interrogative adjectives and pronouns</li> <li>• Relative pronouns (simple and composed)</li> <li>• Personal pronouns</li> <li>• Tenses (excluding passé antérieur and passé simple)</li> <li>• Direct and reported speech</li> <li>• Negations</li> </ul> <p><b>Section- D</b>  <b>Culture et Civilization (15 marks)</b></p> <ul style="list-style-type: none"> <li>• Prose (Lessons18-23)</li> <li>• Fill in the blanks based on general information in the lessons</li> </ul> <p><b>Note :- Full course of Half Yearly Exam will be included in Final Exam.</b></p>

**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"> <li>• True or False</li> <li>• Short answer questions Vocabulary Search: (Fill in the blanks/nouns/verb forms/opposites/synonyms/ language expressions/adjectives/ adverbs)</li> </ul>	10 10
Section B (Creative Writing)	Creative long answers	<ul style="list-style-type: none"> <li>• Story writing based on outline</li> <li>• Informal letter</li> </ul>	10 10
Section C (Application )	Grammar	<ul style="list-style-type: none"> <li>• Tenses (excluding passé antérieur and passé simple)</li> <li>• Relative pronouns (simple and composed)</li> <li>• Personal pronouns</li> <li>• Direct and reported speech</li> <li>• Interrogative adjectives and pronouns</li> <li>• Prepositions</li> <li>• Negation</li> <li>• Jumbled Sentences</li> </ul> <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"> <li>• Short answers based on the prescribed chapters from the textbook</li> <li>• Fill in the blanks based on general information in the lessons</li> </ul>	10 5

**Section A Comprehension/ Reading: (20marks)**

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

**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

**Update awaited from CBSE**