

BIOLOGY (CLASS XI)**To be deleted****PRACTICALS****List of experiments:**

- Description of family Fabaceae: Types of root (tap and adventitious); Stem (herbaceous and woody); Leaf (arrangement, shape, venation, simple and compound).
- Preparation and study of T.S. of dicot and monocot roots and stems (primary).
- Study of osmosis by potato osmometer.
- Study of plasmolysis in epidermal peels (e.g. Rhoec leaves).
- Study of distribution of stomata in the upper and lower surface of leaves.
- Comparative study of the rates of transportation in the upper and lower surface of leaves.
- Test for the presence of sugar, starch, proteins and fats. To detect them in suitable plant and animal materials.

Study/observation of the following (spotting)

- Study of different modifications in root, stem and leaves.
- Study and identification of different types of inflorescence.
- Observation and comments on the experimental set up for showing: Suction due to transpiration
- Study of human skeleton and different types of joints.
- Study of external morphology of cockroach through models.

PHILOSOPHY (CLASS XI)**Marks allotted chapter wise****2. Unit-Wise weightage (Redistributed Marks)****Time: 3 hrs****Marks: 80**

Units	Marks
PART A: SCIENTIFIC	40
I Nature and method of Induction	9
II Observation and Experiment	11
III Hypothesis	9
IV Mills Method of Experimental Inquiry	11
PART B LOGIC	40
V The Nature and Subject matter of Logic	6
VI	
VII Terms and Propositions	12
VIII Categorical Syllogism	12
IX Symbolic Logic	10
Total	80
Part – B: Internal	20
Grand Total	100

FUNDAMENTALS OF BUSINESS MATHEMATICS (CLASS XII)

Changed

Unit/Chapter/Topics deleted from the Syllabus for 2020

PART A: BUSINESS MATHEMATICS

UNITS

II. Relations and Functions	: Functions
III. Determinants	: Sarrus method
IV. Matrices	: Application of matrix
V. Adjoint and inverse of a matrix	: Application of business problems

Part B: COMMERCIAL ARITHMETIC

VII. Bill of Exchange and Average due date	: Meaning of average due date, calculation of average due date; when the amount is lent in one instalment and repayment is sought in several instalments.
IX. Linear programming	: Graphical method of solution for problems in two variables. Feasible and infeasible regions, feasible and infeasible solutions, optimum feasible solution.

Note: Unit-wise weightage of marks and Design of Question Paper shall remain the same as given in the syllabus.

HISTORY (CLASS XII)

To be included under deletion

14. Partition through Oral Sources:

Broad overview: (a) The history of the 1940s.

(b) Nationalism, Communalism and Partition.

Focus: Punjab and Bengal.

Excerpts: Oral testimonies of those who experienced partition.

Discussion: Ways in which these have been analyzed to reconstruct the history of the event.

SOCIOLOGY (CLASS XII)

Included /Missed Out

2. Unit-Wise weightage (Redistributed Marks)

<u>Part – A: External</u>		<u>Time: 3 hrs</u>	<u>Marks: 90</u>
<u>Unit</u>			<u>Marks</u>
I.	Challenges of unity in diversity		15
II.	Institutional Structure		15
III.	Society in Nagaland		15
IV.	Processes of social change in India		15
V.	State, Economic development & Social change		17
VI.	Indian Socialist		13
		Total	90
<u>Part – B: Internal – project work.</u>			<u>10</u>
Grand Total			100

EDUCATION (CLASS XII)

Included/Missed Out

2. Unit-Wise weightage (Redistributed Marks)

Part – A: External		Time: 3 hrs	Marks: 90
Unit			Marks
I.	Educational Psychology		10
II.	Growth and Development		10
III.	Stages of Human Development		10
IV.	Heredity and Environment		10
V.	Attention & Interest		10
VI.	Learning		10
VII.	Habits		10
VIII.	Intelligence		10
IX.	Personality		10
		Total	90
Part – B: Internal – project work.			10
		Grand Total	100

PHILOSOPHY (CLASS XII)

Marks allotted chapter wise

2. Unit-Wise weightage (Redistributed Marks)

Time: 3 hrs		Marks: 100	
Units		Marks	
PART A:	WESTERN PHILOSOPHY	37	
I	Definition and Scope of Philosophy	7	
II	Theory of Knowledge	6	
III			
IV	Realism and Idealism	6	
V	Ethics	10	
VI	Social Philosophy	8	
PART B	INDIAN PHILOSOPHY	47	
VII	Nature and Schools of Indian Philosophy	10	
VIII	Buddhism	6	
IX	Jainism	7	
X	Advaita Vedanta, Vaisesika and Samkhya–Yoga	15	
XI	Nyaya	9	
PART C:	RELIGION	16	
XII	Concept of religion		
		Grand Total	100