

Revised Syllabus (Class XI) 2019-20

SUBJECT: ENGLISH CORE	
HALF YEARLY EXAMS	FINAL EXAMS
<p><u>READING SKILLS (20 marks)</u></p> <ul style="list-style-type: none"> • Unseen passage • Note making and summarizing <p><u>WRITING SKILLS & GRAMMAR (30 marks)</u></p> <p>(i) Notices, Poster & Advertisement</p> <p>(ii) Letters</p> <p style="padding-left: 20px;">(A) business or official (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)</p> <p style="padding-left: 20px;">(B) letters to the editor (giving suggestions /opinions on an issue)</p> <p style="padding-left: 20px;">(C) application for a job with a bio-data or resume</p> <p>(iii) Speech & Report Writing</p> <p>(iv) Determiners, Tenses, Clauses, Modals and Change of Voice</p> <p><u>LITERATURE TEXTBOOKS (30 MARKS)</u></p> <p><u>HORNBILL</u></p> <p>L-1. The Portrait of a Lady</p> <p>L-2. We're Not Afraid to Die if We Can All Be Together</p> <p>L-3. Discovering Tut: The Saga Continues</p> <p>L-4. Landscape of The Soul</p> <p>L-5. The Ailing Planet : The Green Movement's Role</p> <p>L-6. The Browning Version</p> <p style="padding-left: 20px;">Poem 1 : A Photograph</p> <p style="padding-left: 20px;">Poem 2 : The Laburnum Top</p> <p style="padding-left: 20px;">Poem 3 : The Voice of the Rain</p> <p><u>SUPPLEMENTARY READER-SNAPSHOTS</u></p> <ol style="list-style-type: none"> 1. The Summer of the Beautiful White Horse 2. The Address 3. Ranga's Marriage 4. Albert Einstein at School <p><u>ASSESSMENT OF LISTENING & SPEAKING SKILLS (20 MARKS)</u></p> <p>Books prescribed by NCERT.</p>	<p><u>READING COMPREHENSION (20 marks)</u></p> <ul style="list-style-type: none"> • Unseen passage • Note making and summarizing <p><u>WRITING SKILLS & GRAMMAR (30 marks)</u></p> <p>(ii) Letter</p> <p style="padding-left: 20px;">(D) letters to the school or college authorities, regarding admissions, school issues, requirements / suitability of courses etc.</p> <p>(iii) Article and Narrative</p> <p>(iv) Determiners, Tenses, Clauses, Modals and Change of Voice (integrated grammar practice exercise)</p> <p><u>LITERATURE TEXTBOOKS (30 MARKS)</u></p> <p><u>HORNBILL</u></p> <p>L-7. The Adventure</p> <p>L-8. Silk Road</p> <p style="padding-left: 20px;">Poem 4 : Childhood</p> <p style="padding-left: 20px;">Poem 5 : Father to Son</p> <p><u>SUPPLEMENTARY READER-SNAPSHOTS</u></p> <ol style="list-style-type: none"> 5. Mother's Day 6. The Ghat of the Only World 7. Birth 8. The Tale of Melon City <p><u>ASSESSMENT OF LISTENING & SPEAKING SKILLS (20 MARKS)</u></p> <p>Note :- Full course of Half Yearly Exam will be included in Final Exam.</p>

English Examination Specifications

1. Unseen passage (MCQ – 1 x 6 =6, and Objective type questions including SAQ and vocabulary based 1 x 6 = 6) **12 marks**
2. Note-making (a) Notes : 1 (title) +3 (notes) +1 (abbreviation) 5 marks

(b) Summary writing : word limit 80-100 2 (content) + 1 (expression) 3 marks **8 marks**
3. Short Answer Questions: Based on notice/ poster/ advertisement word limit 50

1 (format) + 2 (content) + 1 (expression) **4 marks**
4. Two long answer questions **6 x 2 = 12 marks**

Letter types

(a) business or official letters (b) letters to the editor

(c) application for a job with a bio-data or resume (d) letter to the school or college authorities

word limit 120 to 150 (1 (format) + 3 (content) + 2 (expression))
5. Very Long Answer Question: Composition in the form of article, speech, report writing or a narrative

word limit 150-200 **8 marks**
6. Error Correction, editing tasks. **2 marks**
7. Re - ordering of sentences. **2 marks**
8. Transformation of sentences. **2 marks**

9. Objective Type Questions - Based on an extract from poetry. 1 x 2 = **2 marks**
10. Short Answer Questions – word limit 30-40 2 x 5 = **10 marks**
11. One Long Answer Question from **Hornbill**- Based on prescribed texts to test global comprehension and extrapolation beyond the texts. word limit 120-150 content 3+ expression 3 **6 marks**
12. One Long Answer Question from **Snapshots**- Based on prescribed texts to test global comprehension and extrapolation beyond the texts. word limit 120-150 content 3 + expression 3 **6 marks**
13. One Long Answer Question from **Hornbill** - Based on understanding, appreciation, analysis and interpretation of the characters/events/episodes/incidents. word limit 120-150 content 3 + expression 3 **6 marks**

Note –

Assessment of Listening Skills

5 x 2 = **10 marks**

Assessment of Speaking Skills- Interactive Communication, Fluency, Pronunciation, Language Accuracy and Range. **10 marks**

SUBJECT: PHYSICS

HALF YEARLY EXAMS

FINAL EXAMS

Theory

1. Physical World
2. Units and Measurements
3. Motion in a Straight Line
4. Motion in a Plane
5. Laws of Motion
6. Work, Energy and Power
8. Gravitation
9. Mechanical Properties of Solids

Practicals

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
3. To determine radius of curvature of a given spherical surface by a spherometer.
4. To determine the mass of two different objects using a beam balance.
5. To find the weight of a given body using parallelogram law of vectors.
6. Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's pendulum.

Theory

7. System of Particles and Rotational Motion
10. Mechanical Properties of Fluids
11. Thermal Properties of Matter
12. Thermodynamics
13. Kinetic Theory
14. Oscillations
15. Waves

Practicals

1. To determine Young's modulus of elasticity of the material of a given wire.
2. To find the force constant of a helical spring by plotting a graph between load and extension.
3. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.
4. To determine the surface tension of water by capillary rise method.
5. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
6. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.
7. To determine specific heat capacity of a given solid by method of mixtures.
8. To study the relation between frequency and length of a given wire under constant tension using sonometer.
9. To study the relation between the length of a given wire and tension for constant frequency using sonometer.
10. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

Question Wise Break Up (Theory)

Type of Question	Mark per Question	Total No. of Questions	Total Marks
VSA	1	20	20
SA-I	2	7	14
SA-II	3	7	21
LA	5	3	15
Total		37	70

PRACTICAL

Time Allowed: Three hours

Max. Marks: 30

Two experiments one from each section	8+8 Marks
Practical record (experiment and activities)	6 Marks
Investigatory Project	3 Marks
Viva on experiments, activities and project	5 Marks
Total	30 Marks

SUBJECT: CHEMISTRY

HALF YEARLY EXAMS

FINAL EXAMS

Theory

Unit 1: Some Basic Concepts of Chemistry
 Unit 2: Structure of Atom
 Unit 3: Classification of Elements and Periodicity in Properties
 Unit 4: Chemical Bonding and Molecular Structure
 Unit 5: States of Matter
 Unit 6: Thermodynamics
 Unit 7 : Equilibrium

Practicals

- Crystallization of impure sample of Alum or CuSO₄
- Qualitative Analysis:**
 Determination of anions – CO₃²⁻, S²⁻, SO₃²⁻, NO₂⁻, CH₃COO⁻, SO₄²⁻, NO₃⁻, Cl⁻, Br⁻, I⁻, PO₄³⁻, C₂O₄²⁻

Theory

Unit 8: Redox Reactions
 Unit 9 : Hydrogen
 Unit 10: S- Block Elements
 Unit 11 : Some P – Block Elements
 Unit 12 : Organic Chemistry : Some Basic Principles and Technique
 Unit 13 : Hydrocarbons
 Unit 14 : Environmental Chemistry

Practicals

- Qualitative Analysis:**
 - Determination of Cations – Pb²⁺, Cu²⁺, Al³⁺, Fe³⁺, Mn²⁺, Ni²⁺, Zn²⁺, Co²⁺, Ca²⁺, Sr²⁺, Ba²⁺, Mg²⁺, NH₄⁺
 - Detection of Nitrogen, Sulphur, Chlorine in organic compound
- Quantitative Analysis:**
 - Using a Chemical balance
 - Preparation of Standard Solution of oxalic acid and sodium carbonate
 - Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.
 - Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution.

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP (Theory)

Type of Question	Mark per Question	Total No. of Questions	Total Marks
VSA/Objective	1	20	20
SA	2	7	14
LA-I	3	7	21
LA-II	5	3	15
Total		37	70

1. **Internal Choice:** *There is no overall choice in the paper. However, there is an internal choice in one question of 2 marks weightage, one question of 3 marks weightage and all the three questions of 5 marks weightage.*

2. *The above template is only a sample. Suitable internal variations may be made for generating similar templates keeping the overall weightage to different form of questions and typology of questions same.*

PRACTICAL

Time Allowed: Three hours

Max. Marks: 30

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

SUBJECT: MATHEMATICS**HALF YEARLY EXAMS**

- L-1. Sets
- L-2. Relations and Functions
- L-3. Trigonometric Functions
- L-4. Principle of Mathematical Induction
- L-5. Complex number and Quadratic Equation
- L-6. Linear Inequalities
- L-7. Permutation and Combinations
- L-8. Binomial Theorem
- L-16. Probability

FINAL EXAMS

- L-9. Sequence and Series
- L-10. Straight Lines
- L-11. Conic Sections
- L-12. Introduction to 3 D Geometry
- L-13. Limits and Derivatives
- L-14. Mathematical Reasoning
- L-15. Statistics

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark per Question	Total No. of Questions	Total Marks
VSA	1	20	20
SA	2	6	12
LA-I	4	6	24
LA-II	6	4	24
Total		36	80

INTERNAL ASSESSMENT**20 MARKS**

Periodic Tests (Best 2 out of 3 tests conducted)

10 MARKS

Mathematics Activities

10 MARKS

SUBJECT: BIOLOGY**HALF YEARLY EXAMS****FINAL EXAMS****Theory**

- Ch. 1 The Living World
- Ch. 2 Biological Classification
- Ch. 3 Plant Kingdom
- Ch. 4 Animal Kingdom
- Ch. 5 Morphology of Flowering Plants
- Ch. 7 Structural Organisation in Animals
- Ch. 8 Cell-The Unit of Life
- Ch. 10 Cell Cycle and Cell Division
- Ch. 11 Transport in Plants
- Ch. 16 Digestion and Absorption
- Ch. 17 Breathing and Exchange of Gases
- Ch. 18 Body Fluids and Circulation

Practicals**A- List of Experiments**

1. Study and description of three locally available common flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams). Types of root (Tap and adventitious); stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves).
5. Study of distribution of stomata in the upper and lower surface of leaves.
6. Comparative study of the rates of transpiration in the upper and lower surface of leaves.
7. Test for the presence of sugar, starch, proteins and fats. Detection in suitable plant and animal materials.

B- Study/observation of the following (spotting)

1. Study of the parts of a compound microscope.
2. Study of tissues and diversity in shapes and sizes of plant and animal cells (palisade cells, guard cells, parenchyma, collenchyma, sclerenchyma, xylem, phloem, squamous epithelium, muscle fibers and mammalian blood smear) through temporary/permanent slides.
3. Study of mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
4. Study of different modifications in roots, stems and leaves.
5. Study and identification of different types of inflorescence (cymose and racemose).
6. Study of imbibition in seeds/raisins.

Theory

- Ch. 6 Anatomy of Flowering Plants
- Ch. 9 Biomolecules
- Ch. 12 Mineral Nutrition
- Ch. 13 Photosynthesis in Higher Plants
- Ch. 14 Respiration in Plants
- Ch. 15 Plant - Growth and Development
- Ch. 19 Excretory Products and Their Elimination
- Ch. 20 Locomotion and Movement
- Ch. 21 Neural Control and Coordination
- Ch. 22 Chemical Coordination and Integration

Practicals**A- List of Experiments**

1. Separation of plant pigments through paper chromatography.
2. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
3. Test for presence of urea in urine.
4. Test for presence of sugar in urine.
5. Test for presence of albumin in urine.
6. Test for presence of bile salts in urine.

B- Study/observation of the following (spotting)

1. Study of the specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
2. Study of virtual specimens/slides/models and identification with reasons - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.
3. Observation and comments on the experimental set up for showing:
 - a) Anaerobic respiration
 - b) Phototropism
 - c) Effect of apical bud removal
4. Study of human skeleton and different types of joints with the help of virtual images/models only.
5. Study of external morphology of cockroach through virtual images/models.

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP (THEORY)

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSA	1	5	05
SA-I	2	7	14
SA-II	3	12	36
LA	5	3	15
Total		27	70

PRACTICALS

Time Allowed: Three hours

Max. Marks: 30

Evaluation Scheme	
One Major Experiment Part A	5 Marks
One Minor Experiment Part A	4 Marks
Slide Preparation Part A	5 Marks
Spotting Part B	7 Marks
Practical Record + Viva Voce	4 Marks
Project Record + Viva Voce	5 Marks
Total	30 Marks

SUBJECT: ACCOUNTANCY**HALF YEARLY EXAMS**

Ch 1: Introduction to Accounting
 Ch 2: Basic Accounting Terms
 Ch 3: Theory Base of Accounting, Accounting Standards
 Ch 4: Basis of Accounting
 Ch 5: Accounting Equations
 Ch 6: Accounting Procedures – Rules of Debit & Credit
 Ch 7: Origin of transactions – Source Documents & Preparation of Vouchers
 Ch 8: Journal
 Ch 9: Ledger
 Ch 10: Special purpose Books I – Cash Book
 Ch 11: Special purpose Books II – Other Books
 Ch 12: Bank Reconciliation Statement

FINAL EXAMS

Ch 13: Trial Balance
 Ch 14: Depreciation
 Ch 15: Provisions and Reserves
 Ch 16: Accounting for Bills of Exchange
 Ch 17 : Rectification of Errors
 Ch 18: Financial Statements of Sole proprietorship
 Ch 19: Adjustments in Preparation of Financial Statements
 Ch 20: Accounts from Incomplete Records
 Ch 21: Computers in Accounting

Note :- Full course of Half Yearly Exam will be included in Final Exam.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
Objective / MCQ	1	20	20
SAQ 1	3	2	6
SAQ 2	4	5	20
LAQ 1	6	3	18
LAQ 2	8	2	16
Total		32	80

PRACTICAL

Half Yearly Exam Project work - 20 marks
 Final Exam Project work - 20 marks

SUBJECT: BUSINESS STUDIES**HALF YEARLY EXAMS****FINAL EXAMS****Part A: Foundations of Business**

1. Evolution and Fundamentals of Business
2. Forms of Business Organisations
3. Public, Private and Global Enterprises
4. Business Services
5. Emerging Modes of Business
6. Social Responsibility of Business and Business Ethics

Project Work

Part B: Finance and Trade

7. Sources of Business Finance
8. Small Business and Enterprises
9. Internal Trade
10. International Trade

Project Work

Note :- Full course of Half Yearly Exam will be included in Final Exam.**Books prescribed by NCERT.****QUESTION WISE BREAK UP (THEORY)**

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
Objective / MCQ	1	20	20
SAQ I	3	5	15
SAQ II	4	3	12
LAQ I	5	3	15
LAQ II	6	3	18
Total		34	80

PRACTICAL

Half Yearly Exam Project work -20 marks (File 12 marks and Viva 8 marks)

Final Exam Project work – 20 marks (File 12 marks and Viva 8 marks)

SUBJECT: ECONOMICS**HALF YEARLY EXAMS****FINAL EXAMS****PART-A (Statistics for Economics)**

Unit 1 : Introduction
 Unit 2 : Collection, Organisation and Presentation of Data

PART-B (Introductory Microeconomics)

Unit 4 : Introduction
 Unit 5 : Consumer's Equilibrium and Demand
 Unit 6 : Supply

PART-A (Statistics for Economics)

Unit 3 : Statistical Tools and Interpretation

PART-B (Introductory Microeconomics)

Unit 6 : Producer Behaviour and Supply
 Unit 7 : Forms of Market and Price Determination under perfect competition with simple applications

Note :- Full course of Half Yearly Exam will be included in Final Exam.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
Objective	1	20	20
SAQ 1	3	4	12
SAQ 2	4	6	24
LAQ	6	4	24
Total		34	80

PRACTICAL

Half Yearly Exam Project work – 20 marks (File 12 marks and Viva 8 marks)

Final Exam Project work – 20 marks (File 12 marks and Viva 8 marks)

SUBJECT: ENTREPRENEURSHIP**HALF YEARLY EXAMS****FINAL EXAMS**

Unit-1: Entrepreneurship – What, Why and How
Unit-2 : An Entrepreneur
Unit-3: Entrepreneurship Journey
Unit-4 : Entrepreneurship as Innovation & Problem Solving

Unit-5 : Understanding the Market
Unit-6 : Business Arithmetic
Unit-7 : Resource Mobilization

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP (THEORY)

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSAQ	1	5	05
SAQ	2	5	10
LAQ 1	3	7	21
LAQ 2	4	4	16
Essay Type	6	3	18
Total		24	70

PRACTICAL

Half Yearly Exam - Project Work 30 marks (File 1 10 marks, File 2 10 marks, Viva 5 marks & Writing Paper 5 marks)

Final Exam - Project Work 30 marks (File 1 10 marks, File 2 10 marks, Viva 5 marks & Writing Paper 5 marks)

SUBJECT: PHYSICAL EDUCATION

HALF YEARLY EXAMS	FINAL EXAMS
1. Changing Trends and Career in Physical Education 2. Olympic Value Education 3. Physical Fitness, Wellness and Lifestyle 4. Physical Education & Sports for CWSN (Children with Special Needs-Divyang) 5. Yoga 6. Physical Activity & Leadership Training	7. Test, Measurement & Evaluation 8. Fundamentals of Anatomy, Physiology and Kinesiology in Sports 9. Psychology and Sports 10. Training and Doping in Sports Practicals Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Marks: 70		Duration: 3 hrs.			
SN	Typology of Questions	Objective Type/ MCQ 1 Mark	Short Answer I 3 Marks	Short Answer II 5 Marks	Marks
1	Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	5	3	2	24
2	Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	5	3	1	19
3	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	5	2	1	16
4	Analysing and Evaluating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	5	2	-	11
Total		20x1=20	10x3=30	4x5=20	70 (34)

There will be **Internal Choice** in questions of 1 mark (4 choices), 3 marks (3 choices) and 5 marks (2 choices). In all, total 9 internal choices.

PRACTICAL

01. Physical Fitness Test	Max. Marks 30
02. Proficiency in Games and Sports (Skill of any one Game of choice from the given list*)	6 Marks
03. Yogic Practices	7 Marks
04. Record File **	7 Marks
05. Viva Voce (Health/ Games & Sports/ Yoga)	5 Marks
* Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobics, Gymnastics, Rope-Skipping, Yoga, Bocce & Unified Basketball [CWSN (Children With Special Needs - Divyang)]	5 Marks
**Record File shall include:	
Practical-1: Labelled diagram of 400 M Track & Field with computations.	
Practical-2: Computation of BMI from family or neighbourhood & graphical representation of the data.	
Practical-3: Labelled diagram of field & equipment of any one game of your choice out of the above list.	
Practical-4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratna Award)	
Practical-5: Pictorial presentation of any five Asanas for improving concentration.	

SUBJECT : INFORMATICS PRACTICES**HALF YEARLY EXAMS****Unit I- Introduction to Computer Systems**

Ch. 1 Basic Computer Organisation
Ch. 2 Data Representation – Basic Concept

Unit II- Introductory Python Programming

Ch. 3 Getting Started with Python
Ch. 4 Python Fundamentals
Ch. 5 Data Handling

Unit IV- Data Management

Ch.11 Relational Databases
Ch.12 Simple Queries in SQL
Ch.13 Table Creation and Data Manipulation Commands

FINAL EXAMS**Unit II- Introductory Python Programming**

Ch. 6 Conditional and Iterative Statements
Ch. 7 Text Handling
Ch. 8 List Manipulation
Ch. 9 Dictionaries

Unit III-Data Handling

Ch.10 Working with NumPy

Unit V-Society, Law and Ethics

Ch. 14 Cyber Safety
Ch. 15 Online Access and Computer Security

Note :- Full course of Half Yearly Exam will be included in Final Exam.

MARKS DISTRIBUTION (PRACTICAL)

S. No.	Description	Marks
1.	Problem solving using arithmetic operations, conditional statements and iterations with the help of a Python program 60% logic + 20% documentation + 20% code quality (To be tested on the day of the final exam)	6
2.	Problem solving using numPy (To be tested on the day of the final exam)	4
3.	SQL - 5 Queries based on single table (To be tested on the day of the final exam)	5
4.	Report File ● Minimum 20 Python Programs ● Minimum 20 SQL Queries	6
5.	Viva	4
6.	Project using the concepts learnt in the course	5
	Total	30

SUBJECT: PAINTING

HALF YEARLY EXAMS

FINAL EXAMS

Theory

UNIT-I

- (i) Introduction to Pre-historic Rock Painting
- (ii) Study of Pre-historic Painting
Wizard Dance, Bhimbethka
- (iii) Introduction to Art of Indus Valley and related areas as
Ropar, Lothal, Rangpur, Alamgirpur etc.
- (iv) Study of sculptures and terracottas
 - (a) Dancing Girl
 - (b) Male Torso
 - (c) Mother Goddess
 - (d) Bull Seal
 - (e) Decoration on earthen – war
- (v) Elements of Art and Principles of design

UNIT-II

- (i) Introduction to Ajanta and study of Painting & Sculptures
Padmapani Bodhisattva (Mural Painting)

Practical

- (i) Nature and Object Study :
 - (a) Natural and Geometric forms in pencil with light and shade
 - (b) Knowledge of elements of art and principles of composition through various drawing
- (ii) Painting Composition :
 - (a) Use of various colour mediums and textures in compositions
 - (b) Landscapes in water colours

Theory

UNIT-II

- (i) General introduction to Art during Mauryan, Shunga, Kushana, Gandhara and Gupta Period
- (ii) Study of the Sculptures
 - (a) Lion Capital Sarnath
 - (b) Chauri Bearer from Didar Ganj
 - (c) Bodhisattva head from Taxila
 - (d) Seated Buddha from Katra Tila Mathura
 - (e) Seated Buddha from Sarnath
 - (f) Jain Tirathankara

UNIT-III

- (i) Temple Sculpture, Bronzes and Artistic Aspects of Indo-Islamic Architecture (6th century A.D. to 13th cent AD)
- (ii) Study of following Temple sculptures
 - (a) Trimurti
 - (b) Lakshmi Narayan Temple
 - (c) Ravana Shaking Mount Kailash
 - (d) Descent of Ganga
 - (e) Cymbal Player, Sun Temple
 - (f) Mother and Child (Mount Abu) white marble
- (iii) Bronzes (South Indian Bronzes)
Nataraj
- (iv) Artistic Aspects of the Indo-Islamic Architecture
 - (a) Qutub Minar, Delhi
 - (b) Taj Mahal, Agra
 - (c) Gol Gumbaj, Bijapur

Practical

- (i) Sketches from Life and Nature
- (ii) Exercises of basic design in variation of linear geometric and rhythmic shapes in primary and secondary colours
- (iii) One painting on canvas

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSA	5	2	10
LAQ 1	5	2	10
LAQ 2	5	2	10
Total		6	30

(THEORY)

One Theory Paper

30 Marks

Unit wise Weightage

Time: 2 Hours

Units		Marks
History of Indian Art		
1	Pre-Historic rock paintings and art of Indus Valley	10
2	Buddhist, Jain and Hindu Art	10
3	Temple Sculptures, Bronzes and Artistic aspects of Indo- Islamic architecture	10

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(PRACTICAL)

One Practical Paper

70 Marks

Time: 6 Hours (3+3)

Unit wise Weightage

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

SUBJECT: COMMERCIAL ART

HALF YEARLY EXAMS

FINAL EXAMS

Theory

UNIT-I

- (i) Introduction to Pre-historic Rock Painting
- (ii) Study of Pre-historic Painting
Wizard Dance, Bhimbethka
- (iii) Introduction to Art of Indus Valley and related areas as
Ropar, Lothal, Rangpur, Alamgirpur etc.
- (iv) Study of sculptures and terracottas
 - (a) Dancing Girl
 - (b) Male Torso
 - (c) Mother Goddess
 - (d) Bull Seal
 - (e) Decoration on earthen – war
- (v) Elements of Art and Principles of design

UNIT-II

- (i) Introduction to Ajanta and study of Painting & Sculptures
Padmapani Bodhisattva (Mural Painting)

Practical

- (i) Nature and Object Study :
 - (a) Drawing from Still-Life and Nature, medium-pencil
monochrome/colour.
 - (b) Knowledge of elements of art and principles of
composition through various drawing
 - (c) Posters and Advertisements on current topics

Theory

UNIT-II

- (i) General introduction to Art during Mauryan, Shunga,
Kushana, Gandhara and Gupta Period
- (ii) Study of the Sculptures
 - (a) Lion Capital Sarnath
 - (b) Chauri Bearer from Didar Ganj
 - (c) Bodhisattva head from Taxila
 - (d) Seated Buddha from Katra Tila Mathura
 - (e) Seated Buddha from Sarnath
 - (f) Jain Tirathankara

UNIT-III

- (i) Temple Sculpture, Bronzes and Artistic Aspects of Indo-
Islamic Architecture (6th century A.D.to 13th cent AD)
- (ii) Study of following Temple sculptures
 - (a) Trimurti
 - (b) Lakshmi Narayan Temple
 - (c) Ravana Shaking Mount Kailash
 - (d) Descent of Ganga
 - (e) Cymbal Player, Sun Temple
 - (f) Mother and Child (Mount Abu) white marble
- (iii) Bronzes (South Indian Bronzes)
Nataraj
- (iv) Artistic Aspects of the Indo-Islamic Architecture
 - (a) Qutub Minar, Delhi
 - (b) Taj Mahal, Agra
 - (c) Gol Gumbaj, Bijapur

Practical

(a) Lettering

- (i) Study of lettering of Roman and Devnagri Scripts
- (ii) Identification of some type-faces and their sizes

(b) Layout

Making a simple layout with lettering as the main component.

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSA	5	2	10
LAQ 1	5	2	10
LAQ 2	5	2	10
Total		6	30

(THEORY)

One Theory Paper

30Marks

Unit wise Weightage

Time: 2 Hours

Units		Marks
History of Indian Art		
1	Pre-Historic Rock-Paintings and Art of Indus Valley	10
2	Buddhist, Jain and Hindu Art	10
3	Temple Sculpture Bronze and Artistic aspects of Indo-Islamic Architecture	10
		30

Note: The Syllabus of Applied Art-Commercial Art (Theory) for Class XI is the same as that of Painting (Theory) for Class XI given earlier.

(PRACTICALS)

One Practical Paper

70 Marks

Unit wise Weightage

Time: 6 Hours (3+3)

Units		Marks
1	Drawing	25
2	Lettering and layout	25
3	Portfolio Assessment	20
		70

SUBJECT: PSYCHOLOGY**HALF YEARLY EXAMS****FINAL EXAMS****Theory**

Unit 1: What is Psychology?
 Unit 2: Methods of Enquiry in Psychology
 Unit 3: The Bases of Human Behaviour
 Unit 5: Sensory, Attentional and Perceptual Processes
 Unit 6: Learning

Practical Examination

1. Project File
2. Practical (Experiments) file
 - (i) Span of Attention
3. Viva Voce (Project and Experiments)
4. One experiment

Theory

Unit 4: Human Development
 Unit 7: Human Memory
 Unit 8 : Thinking
 Unit 9 : Motivation and Emotion

Practical Examination

1. Project File
2. Practical (Experiments) file
 - (i) Learning
 - (ii) Memory
 - (iii) Motivation
 - (iv) Perception
 - (v) Span of Attention (any three experiments)
3. Project File
4. Viva Voce (Project and Experiments)
5. One experiment

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
Objective	1	17	17
VSA	2	4	8
SAQ 1	3	3	9
SAQ 2	4	6	24
LAQ	6	2	12
Total		32	70

PRACTICALS

Time Allowed: Three hours

Max. Marks: 30

Evaluation Scheme	
File	10
Conduction	15
Viva	5
Total	30 Marks

SUBJECT: LEGAL STUDIES**HALF YEARLY EXAMS**

1. Concept of State & Nation
2. Organs of Government
3. Separation of Powers
4. Basic Features of the Constitution of India
5. Nature & Meaning of Law
6. Classification of Law
7. Sources of Law
8. Law Reform

FINAL EXAMS

1. Ancient Indian Law
2. Administration of Justice in British India
3. Making of the Indian Constitution
4. Judiciary : Constitutional, Civil & Criminal Courts & Processes
5. Family Justice System

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSAQ	1	20	20
SAQ	2	8	16
LAQ 1	4	5	20
LAQ 2	6	4	24
Total		37	80

INTERNAL ASSESSMENT

Project based

MARKS

20

SUBJECT: POLITICAL SCIENCE**HALF YEARLY EXAMS****FINAL EXAMS****Part A: Indian Constitution at work**

Ch. 1 Constitution Why and How and Philosophy of the Constitution
 Ch. 2 Rights in the Indian Constitution
 Ch. 3 Election and Representation
 Ch. 4 The Executive
 Ch. 5 The Legislature

Part B: Political Theory

Ch. 1 Introduction to Political Theory
 Ch. 2 Freedom
 Ch. 3 Equality
 Ch. 4 Social Justice
 Ch. 5 Rights

Map Work/Picture Based Question

Project Work

Practical – File (10 marks) and Viva (10 marks)

Part A: Indian Constitution at work

Ch. 6 The Judiciary
 Ch. 7 Federalism
 Ch. 8 Local Governments
 Ch. 9 Constitution as a living document

Part B: Political Theory

Ch. 6 Citizenship
 Ch. 7 Nationalism
 Ch. 8 Secularism
 Ch. 9 Peace
 Ch. 10 Development

Map Work/Picture Based Question

Project Work

Practical – File (10 marks) and Viva (10 marks)

Note :- Full course of Half Yearly Exam will be included in Final Exam.

Books prescribed by NCERT.

QUESTION WISE BREAK UP

Type of Question	Mark(s) per Question	Total No. of Questions	Total Marks
VSAQ 1	1	20	20
VSAQ 2	2	3	6
SAQ	4	4	16
LAQ 1	5	3	15
MAP	5	1	5
LAQ 2	6	3	18
Total		34	80

Practical – File (10 marks and Viva (10 marks)

SUBJECT: HISTORY**HALF YEARLY EXAMS****FINAL EXAMS**

1. From The Beginning Of Time
2. Writing and City Life
3. An Empire Across Three Continents
4. The Central Islamic Lands
5. Nomadic Empires

Map Work

Project (any one)

- Anthropological Research based on Darwin's Theory
- Making and unmaking of Mesopotamia
- Paradigms of Greco-Roman civilization
- Piecing together the past of Genghis Khan

(File 10 marks +Viva 10 marks)

6. The Three Orders
7. Changing Cultural Traditions
8. Confrontation Of Cultures
9. The Industrial Revolution
10. Displacing Indigenous People
11. Paths to Modernization

Map Work

Project Work (any one)

- Critique of the industrialization in Britain
- Relations and impacts of past crusades
- Aspirations of women in Renaissance period
- Paths to Modernization of Japan / China
- An Exploratory study into Humanism
- An in depth study into "now and then" paradigm of Christianity
- An exploratory study into the realism and the transmission of Humanistic ideas
- Scientific Revolution and the origins of modern science
- An exploratory study into the making of America
- Myriad Realms of Slavery in ancient, medieval and modern world
- Learning about global Sufism
- History of aborigines – America / Australia

(File 10 marks +Viva 10 marks)**Note: Full course of Half Yearly Exam will be included in Final Exam.****Books prescribed by NCERT.****QUESTION WISE BREAK UP**

Type of Question	Marks per question	Total No. of Questions	Total Marks
Objective Type Questions	1	20	20
Short Answer	3	3	9
Source Based	5	3	15
Long Answer	8	4	32
Map Skills based	1	4(Items)	4
Total			80

Practical – File (10 marks) and Viva (10 marks)