



BOYS' HIGH SCHOOL AND COLLEGE, ALLAHABAD
AS PER THE ISC REVISED SYLLABUS (2020 – 2021)
CLASS – XII

ENGLISH LANGUAGE (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Composition (Narrative, Descriptive, Reflective, Argumentative, Discursive and Short Story)
2. Directed Writing
 - a) Article Writing
 - b) Book Review
 - c) Film review
3. Proposal
4. Unit 1 to 5
5. Directed Writing
 - a) Review of a Cultural Programme
 - b) Speech Writing
 - c) Newspaper Report
 - d) Magazine Report
6. Unit 6 to 10

Prelims:-

1. Composition (Narrative, Descriptive, Reflective, Argumentative, Discursive and Short Story)
2. Direct Writing
 - a) Travel Brochure
 - b) Personal Profile
 - c) Statement of Purpose
3. Proposal
4. Unit 11 to 15

Question: Often, our mistakes make us wiser. Describe an incident in your life when your mistake taught you an important lesson.

Note:

- Word limit is 500 words.
- Project to be written in a register.
- Use only blue and black ink to write your project.

Note : Final Examination will include the entire syllabus

ENGLISH LITERATURE (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. ECHOES
 - a) The Sound Machine – Ronald Dahl
 - b) The Singing Lesson – Katherine Mansfield
2. REVERIE
 - a) We are the music makers- O'Shaughnessy
 - b) The Darkling Thrush – Thomas Hardy
 - c) Crossing the Bar – Alfred Lord Tennyson
3. THE TEMPEST
 - a) Act IV
 - b) Act V

* Revision Class XI

Prelims:-

1. ECHOES
 - a) The Story of an Hour – Kate Chopin
 - b) B. Wordsworth – V.S. Naipaul
2. REVERIE
 - a) Dover Beach – Mathew Arnold

Note:

- Word limit for the project is 1000 words.

Your answer must include critical analysis of the poem.

- Your answer must not read like a personal essay.
- The project must be written in an interleaved register.
- Use only black and blue ink for the project.
- The project must include an index, a note of acknowledgement, the answer to the above question, and your list of references.

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MATHEMATICS (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Relation
2. Function
3. Matrix
4. Determinant
5. Inverse Trigonometric Equation
6. Differentiability
7. L' Hospital Rule
8. Mean Value Theorem
9. Application of Derivative
10. Maxima and Minima

Section – B

11. Vector

Section – C

12. Linear Regression

Prelims:-

Section – A

13. Indefinite Integral
14. Differential Equation
15. Limit as a Sum and Definite Integral
16. Probability

Section – B

17. Application of Definite Integral
18. 3-D Lines
19. The Planes

Section – C

20. Linear Programming Problem
21. Application of Calculus in Commerce and Economics

Note : Final Examination will include the entire syllabus

PHYSICS (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Electric charges , Coulomb's Law
2. Electric Field
3. Electric flux, Gauss theorem
4. Electrostatic Potential, Potential energy
5. Capacitance
6. Mechanism of flow of current in conductors
7. Ohm's Law and its proof
8. Resistance and resistivity
9. Electric energy and power
10. EMF of a cell
11. Kirchoff's laws and its applications
12. Wheatstone bridge
13. Potentiometer
14. Concept of magnetic field
15. Biot Savarts law, Amperes law and their applications
16. Galvanometer, conversion of galvanometer to ammeter and voltmeter

17. Magnetism and matter
18. Moving charges and magnetism

No part of deleted syllabus has been uploaded for class 12. Whatever has been taught so far is in the syllabus.

Prelims:-

All of half yearly syllabus is included

1. Electromagnetic induction
2. Alternating current
3. Electromagnetic Waves
4. Ray Optics : Reflection in mirrors, refraction at Spherical surfaces, lens.
5. Optical Instrument
6. Wave Optics , Huygens principle
7. Interference , diffraction , polarization
8. Dual Nature of radiation and matter
9. Atoms and nuclei
10. Nuclei
11. Radioactivity
12. Nuclear energy
13. Electronic Devices
14. Semiconductor
15. Semiconductor diode
16. Junction diode

Note : Final Examination will include the entire syllabus

CHEMISTRY (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Solid State
2. Solutions
3. Coordination Compounds
4. Haloalkanes and Haloarenes
5. Polymers
6. Electrochemistry
7. Chemical Kinetics
8. General Principles and Processes of Isolation of Elements

Prelims:-

9. p- Block Elements
10. Alcohols, Phenols and Ethers
11. Aldehydes, Ketones and Carboxylic Acids
12. Surface Chemistry
13. d- and f –Block Elements
14. Organic Compounds Containing Nitrogen
15. Biomolecules
16. Chemistry in Every Day Life

Practicals

Note : Final Examination will include the entire syllabus

BIOLOGY (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Reproduction in organisms
2. Sexual reproduction in flowering plants
3. Human reproductive
4. Reproductive health
5. Principles of inheritance and variations
6. Genes and chromosomes
7. Mutation

8. Genetic expression
9. Origin of life
10. Theories and mechanism of evolution
11. Evidences of biological evolution
12. Basic concepts of immunology
13. Common human diseases
14. Microbes in human welfare
15. Organisms and their environment
16. Biotechnology processes
17. Environmental issues

Prelims:-

18. Biodiversity
19. Population interactions
20. Population Growth
21. Biosafety
22. Ecosystem
23. Biotechnology application
24. Apiculture and Animals Husbandry
25. Improvement in Food Production
26. Adolescent Issues

Note : Final Examination will include the entire syllabus

COMMERCE (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. *Financing :-*
Importance of Finance, Financial Planning, Factors affecting Fixed and working capital etc.

2. *Management :-*
(A) Definition, Features, importance etc. (B) Principles of Management – Need, Modern Management and Scientific Management etc.

3. *Consumes Protection :-*
Need, Rights and Duties of a Consumers, CPA etc.

4. *Marketing :-*
Concepts, Features, Objectives etc.

5. *Business Environment :-*
Definition , Features, Importance, Micro and Macro, Environment, SWOT Analysis

6 (A) *Commercial Banks :-*
Meaning, Merits, Demerits , Functions, etc.

(B) *Financial Institutions*
Meaning, Merits and Demerits

7. *Latest Trends in Banking:-*
NEFT, RTGS, Debit Card, Credit Card etc.

8. *Sources of Finance :-*
Shares, Debentures, Public Deposit, Trade Credit etc.

9. *Project 1 – On Banking*

Prelims:-

1. *Marketing Mix :-*
(A) *Product Mix:* Goods and Services, Branding, Labeling, Packaging etc.
(B) *Price Mix:* Meaning and factors determining Price
(C) *Place Mix:* Meaning, Channel of Distribution, Choice of C.O.D etc.

(D) *Promotion Mix*: Meaning and Elements, Advertising, Sales Promotion, Personal Selling, Publicity

2. *Functions of Management* :-

(A) *Planning*: Meaning, Merits and Demerits, Importance, Limitations, Types of plans etc.

(B) *Organising* : Meaning, Importance, Steps, Centralisation vs Decentralisation etc.

(C) *Staffing*: Meaning, Steps, Importance, Recruitment, Selection, Training etc.

(D) *Directing* : Meaning, Importance, Supervision etc.

(E) *Controlling* : Meaning, Steps and Importance.

(F) *Coordinating* : Meaning and Coordination as an Essence of Management.

Project – II

Note : Final Examination will include the entire syllabus

ACCOUNTS (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

Half Yearly:-

1. Companies Balance sheet Schedule III Part 1 of Companies Act 2013
 2. Comparative Statements
 3. Common Size Statements
 4. Partnership Fundamentals – Distribution of Profits
 5. Goodwill – Valuation and Treatment
 6. Admission of a Partner
 7. Retirement of a Partner
 8. Dissolution of a Partner
 9. Company Accounts – Issue of Shares
- Project No. 1

Prelims:-

1. Issue of Debentures
 2. Redemption of Debentures
 3. Final Accounts of Companies
 4. Ratio Analysis
 5. Cash Flow Statement
- Project No. 2

Note : Final Examination will include the entire syllabus

ECONOMICS (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

HALF YEARLY

1. Demand and Law of Demand
2. Law of diminishing marginal utility
3. Movement and shifting of demand curve
4. Ordinal approach to demand curve
5. Consumers equilibrium :
 - Cardinal and ordinal approach
6. Factors affecting demand
7. Elasticity of demand
 - Percentage method
 - Point elasticity
8. Supply and law of supply
 - Movement and shifting
 - Factors affecting supply
 - Elasticity of supply
9. Market mechanism
 - Determination of equilibrium price and equilibrium output through demand and supply curves.
 - Price ceiling and floor price

10. Theory of production

11. Theory of cost

- Short run cost curves
- Explicit cost, implicit cost, economic cost, real cost, Social cost and opportunity cost.

12. Revenue analysis

- TR, AR and MR under perfect and imperfect competition.

13. Forms of market.

PRELIMS

1. Money and banking

2. Balance of payments and foreign exchange

3. National income

4. Public finance and budget

Note : Final Examination will include the entire syllabus

COMPUTER SCIENCE (Revised, July, 2020)

Note – For deleted topics please visit - cisce.org

HALF YEARLY

1. Boolean algebra

- Propositional Logic
- Binary Valued quantities
- Basic theorems of Boolean Algebra
- Principle of Duality
- Elementary logic gates (NOT AND, OR, NAND, NOR, XOR, XNOR) & their use in circuits
- Half Adder, Full Adder
- Derivation of Boolean Expression
- Minimization of Boolean Expression
- SOP & POS representation: Minterms & Maxterms
- Canonical and Cardinal representation
- K-Maps

2. Computer Hardware

- Application of Boolean algebra and logic gates to encoders, decoders, multiplexers, NAND, NOR as universal gates.
- Revision of Boolean Algebra

3. Programming in Java

1. Oops Concepts
2. Introduction of Java
3. Java Fundamentals
4. Flow of Control (Statement and Scope)
5. Classes in Java Programming Concepts
6. Functions New higher order problems
7. Using. Library Classes
8. Arrays
9. Recursion
10. Programming on the above Topics

4. Data Structure

- Stacks, Queues and its implementation
- Conversion Infix to Prefix & Postfix notations
- Programming Concept
- Programming on the above Topics

Prelims:-

5. Data Structure

• Binary Trees—Definition, root, internal and external nodes, height, depths, levels, size, degree, siblings, sub-tree, completeness and balancing Tree Traversal (pre, post, in-order)

6. Inheritance

- Interface
- Polymorphism

Note : Final Examination will include the entire syllabus

HINDI (Revised, July, 2020)

**Note – For deleted topics please visit -
cisce.org**

Half yearly:-

Language :-

1. Composition of 400 Words
2. Comprehension
3. Correction of sentences
4. Use of idioms in sentences

Literature :-

Kavya Manjari -

1. Jag Tujhko Door Jana hai
2. Udhyaami Nar
3. Badal Ko Ghirte Dekha Hai

Gadhya Sanklan -

1. Kya Nirash Hua Jaye?
 2. Bhaktin
 3. Sanskrit Kya Hai?
- Ashad Ka Ek Din -
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Prelims:-

Language :-

1. Composition of 400 words
2. Comprehension
3. Correction of Sentences
4. Use of Idioms in sentences

Literature :-

Kavya Manjari

Gadhya Sankapl

Aashad Ka Ek Din

} Revision of whole Syllabus

Note : Final Examination will include the entire syllabus

PHYSICAL EDUCATION (Revised, July, 2020)

**Note – For deleted topics please visit -
cisce.org**

Half Yearly :-

Section – A

1. Sociology Aspects of Physical Education

- a. Development of the Individual through Games and Sports.
- b. Role of Physical Education in Prompting National Integration.
- c. Physical Education and Personality Development.

2. Training Methods

- a. Meaning and importance of Sports Training.
- b. Methods of Training.
- c. Warning – up, Conditioning and Cooling / Limbering Exercises.
- d. Isometric and Isotonic Exercises.
- e. Circuit Training.

Section – B

1. Football – Full chapter (as completed in class XI)

2. Swimming - Specification and dimension of swimming pool, various equipments and their use, name of various events and strokes, various stroke technique with start, turn and finish, rule of the race, names of various officials and their duties.

Prelims :-

SECTION – A

1. **Sociological Aspects of Physical Education** (as completed in half yearly examination)
2. **Training Methods** (as completed in half yearly examination)
3. **Career Aspects in Physical Education**
 - a. Career options in Physical Education
 - b. Important Institutions of Physical Education in India.
4. **Competitions and Tournaments**
 - a. Tournaments and Types of Tournaments
 - b. Intramurals and Extramurals
 - c. Names of the National and International Federations/ Bodies Controlling the Various Tournaments / Competitions.
5. **Health Education and Health Problems**
 - a. Meaning and Definition of Health and Health Education.
 - b. Principles and Importance of Health Education – Health Problems and Role of Health Education is Solving them.
 - c. Disability and Rehabilitation.
 - d. Posture.
 - e. Substance Abuse.
6. **Sports Injuries and First Aid**
 - a. Sports Related Injuries.
 - b. Role of Individuals in Preventing Sports Related accidents.
 - c. First Aid.

SECTION – B

1. **Football** – Full chapter (as completed in class XI)
2. **Swimming** – Full chapter.

Note : Final Examination will include the entire syllabus
