

SYLLABUS FOR THE SESSION 2020-2021

CLASS – XI

Half Yearly and Review Test

Subject: English Language

I. Essay Writing:

- a) Narrative composition
- b) Descriptive composition
- c) Argumentative composition
- d) Reflective composition
- e) Expository composition
- f) Short Story Writing

II. Report Writing

III. Proposal Writing

IV. Grammar : Functional Grammar

V. Comprehension:

- 1. Word Meanings
- 2. Questions and Answers
- 3. Sentence Construction
- 4. Summary Writing

REVIEW: Report Writing

Subject: English Literature

DRAMA: The Tempest (Act I and Act II scene i)

PROSE:

- 1. Salvatore
- 2. Fritz
- 3. Quality

POETRY:

- 1. The Gift of India
- 2. Dolphins
- 3. The Spider and the Fly

REVIEW:

- 1. Fritz
- 2. Dolphins

PROJECT: To be incorporated later

Subject: Elective English

Lord of the Flies: Chapters 1 to 6

Cat on a Hot Tin Roof: Act I and II

Alfred Tennyson:	Ulysses Mariana The Lady of Shallot In Memoriam (3 extracts)
John Keats:	La Belle Dame Sans Merci On First Looking into Chapman's Homer On The Sea Ode To A Nightingale To Autumn The Last Sonnet
Robert Browning:	Porphyria's Lover My Last Duchess A Light Woman A Woman's Last Word Two In The Campagna
FIRST REVIEW:	1. La Belle Dame Sans Merci 2. Ulysses

Subject: Physics

Half Yearly:

Physical World and Measurement

1. Units
2. Error Analysis
3. Significant Figures
4. Dimensional analysis

Kinematics

5. Motion in a straight line
6. Motion in a plane

Laws of Motion

7. Newton's law of motion
8. Friction
9. Uniform circular motion

Work, power and energy

10. Work, power and energy

Motion of System of particles and rigid body

11. Centre of mass
12. Gravitation: Planets and satellites

Properties of matter

13. Elasticity

1st Review Test

1. Units
2. Error analysis
3. Significant Figures
4. Dimensional analysis
5. Motion in a straight line
6. Motion in a plane
7. Newton's law of motion

Subject: Chemistry

FIRST TERM

Section A

- 1) Some basic concepts of Chemistry
- 2) Structure of Atom
- 3) Classification of elements and periodicity in properties
- 4) States of matter: Gases and liquids (till the portion completed)

Section B

- 5) s-block elements
- 6) Some p-block elements
- 7) Redox reactions

Section C

- 8) Organic Chemistry-Basis Principles and techniques(upto isomerism)
- 9) Aliphatic hydrocarbons (alkanes, alkenes and alkynes)
- 10) Environmental Chemistry (till ‘strategies for control of environmental pollution’)

1st Assessment

- 1) Some basic concepts of Chemistry.
- 2) Structure of atom.
- 3) s-block elements.
- 4) Organic nomenclature

Subject: Biology

First Review

1. Living world
2. Biological classification
3. Animal kingdom

Half yearly

1. Living world
2. Biological classification
3. Animal kingdom
4. Plant kingdom
5. Plant physiology
6. Human physiology

Subject: Mathematics

Section – A

1. Sets
2. Relations and Functions
3. Trigonometry
4. Principle of Mathematical Induction
5. Complex Numbers
6. Quadratic Equations
7. Linear Inequalities
8. Sequences and Series (A.P.)
9. Straight Lines
10. Statistics

Section – B

1. Introduction to Three- Dimensional Geometry
2. Mathematical Reasoning.

Section – C

1. Index Numbers and Moving Averages

FIRST REVIEW TEST TOPICS

1. Sets
2. Trigonometry
3. Complex Numbers
4. Quadratic Equation

PROJECT TOPICS

SECTION –A (TOPIC)

1. Using Venn diagram verify the distributive law for three given non-empty sets A, B and C.

SECTION -B (TOPIC)

1. Write geometrical significance of X coordinate , Y coordinate and Z coordinate in space. Using the above find the distance of the point in space from x-axis/y-axis/z- axis. Explain the above using a three dimensional model/power point presentation.

Or

SECTION –C (TOPIC)

1. Find median from the point of intersection of cumulative frequency curves.(less than and more than cumulative frequency curves.)

Instructions for Project

Note: Students will follow the instructions given below to complete their project.

Section-A

$$\xi = \{x : 1 \leq x \leq 30, x \in N\}$$

$$A = \{x : x = 4y + 1, y \in N\}$$

$$B = \{x : x \text{ is an odd number}, x \in N\}$$

$$C = \{x : x \text{ is a prime number}, x \in N\}$$

Section-B

Take a cuboid/ cube. Then, take a point on its surface and hence find its distances from the X-axis, Y-axis and Z- axis.

Section-C Take any one example from your book. Draw less than and more than frequency curves (using graphsheet) and hence find the median.

Date of submission of Project : 27/07/2020

The project file will contain the following articles.

1. Contents.

2. Name of the project and materials required.
3. Introduction.
4. Procedure.
5. Calculation.
6. Conclusion.
7. Acknowledgement.
8. Bibliography.

Subject: Computer Science **First Review**

- Numbers
- Encodings
- Introduction to Object Oriented Programming using Java
- Objects
- Primitive values, Wrapper classes, Types and casting
- Variables, Expressions
- Statements, Scope
- Classes in Java
- Methods and Constructors
- Output Questions [As discussed in class]

Half Yearly

- Propositional Logic, Hardware implementation, Arithmetic Operations
- Arrays, Strings
- Output Questions [As discussed in class]
- Revision [From First Review Syllabus]

Project Topics

- General Programs (Number Logic) - 2 Programs
- SDA - 2 Programs
- DDA - 2 Programs
- String - 2 Programs

Subject: Accounts

Half Yearly Syllabus:

1. Journal, Ledger, Trial Balance, Sub division of Journal (subsidiary books)
2. BRS
3. Depreciation
4. Introduction to accounting

(As per ISC Scope of Syllabus 2021-22)

First Review Topics:

1. Journal and Ledger (Theory + Practical)

Project Topics

1. Pass Journal entries from a given set of transactions and prepare suitable Day Books and Cash Book. Post them into Ledger and prepare a Trial Balance.
2. Preparation of BRS from the given Cash Book and Pass Book details.

Subject: Commerce

Half Yearly Syllabus:

1. Nature and purpose of Business.
2. Forms of business organisations (Except public sector undertakings).

(As per ISC Scope of Syllabus 2021-22)

First Review Topics:

1. Nature and purpose of business.
- [As per scope of ISC Syllabus 2022]

Project Topics

1. Corporate social responsibilities adopted by 2 MNC's.
2. Product mix of two non-government insurance companies.

Subject: Economics

HALF-YEARLY EXAMINATION

1. Basic Concepts of Economics
2. Definitions and scope of Economics.
3. Basic Problems of economies
4. Types of economies.
5. Solutions to economic problems in various types of economics.
6. Indian economy during post- liberalisation period.
7. Parameters of development.
8. Planning and Economic Development in India.
9. Definitions and scope of statistics
10. Collection and presentation data.
11. Measures of central value
12. Measures of dispersion.

FIRST ASSESSMENT

1. Basic concepts of Economics.
2. Definitions and scope of Economics.

PROJECT TOPICS:

PROJECT 1: “Economic Growth is a race between depletion and Invention.” Prepare a project using the Production Possibility Curve (PPC) and explain the change in PPC overtime. Assume that there are only two inputs (labour and natural resources) producing two goods (wheat and Gasoline) with no improvement in technology over time. Explain what happens to the PPC as natural resources are exhausted. Also explain the impact of invention and Technological improvement on the PPC.

PROJECT 2: Compare the status of women in West Bengal with that of the national level for the last 10 years based on education level, employment, health etc.

Instructions for Project:

1. The project reports are to be submitted in two separate Laced Files (one for each project.)
2. The files must be covered with brown papers. On the cover the following details are to be provided in BLOCK CAPITAL: Name, Class – Section, Roll Number. and Project topic headings as given above.
3. Both Project reports must be submitted simultaneously.
4. Project submission date:- 29th July, 2020 (Wednesday).

Subject: Hindi (2nd Language)

Paaz\yakma maom inaQaa-irt pustkaoM kl saUcal :

vyaakrNa maMjaUYaa (I.U.P.)

kavyamaMjarl- (Evergreen Publications)

gad\ya saMklana –(Evergreen Publications)

saara AakaSa – rajaond` yaadva

Half Yearly

kavya maMjarl : saaKI, ek fUla kl caah, Aa: Qartl iktnaa
dotl hO, AÐQaoro ka dlpk È

gad\yasaMklana : pu~p`oma, gaaOrl, SarNaagat, @yaa
inaraSa huAa jaa È

saara AakaSa : p`qama paÐca AQyaaya È

vyaakrNa : mauhavaro ³₁₋₁₀₀ È vaa@ya SauiwkrNa ³₁₋₁₀₀, Apizt gad\yaaMSa È

First Assessment

kavya maMjarl : ek fUla kl caah È

gad\yasaMklana : pu~p`oma È

saara AakaSa : p`qama tlna AQyaaya È

vyaakrNa : mauhavaro ³₁₀₁₋₂₀₀ È vaa@ya SauiwkrNa È

Subject: Bengali

Half-yearly Syllabus -

- ১। উপন্যাস- কোণি- প্রথম থেকে চতুর্থ পরিচ্ছেদ।
- ২। নাটক- মুকুট - প্রথম অঙ্ক (প্রথম ও দ্বিতীয় দৃশ্য)।
- ৩। কবিতা সংকলন- বনলতা সেন, ওরা কাজ করে, বর্ণপরিচয়।
- ৪। ব্যাকরণ- ধ্বন্যাত্মক শব্দ, পদ পরিবর্তন, বানান শুদ্ধি, এক কথায় প্রকাশ।

Review Test -

বনলতা সেন, ব্যাকরণ-ধ্বন্যাত্মক শব্দ, পদ পরিবর্তন।

Subject: Political Science

HALF YEARLY :

Section A

1. Introduction to Political Science
2. Fundamental Concepts
3. Origin of State
4. Law
5. Liberty
6. Equality

Section B

1. End of Cold War and its Impact on the World Order
2. Regional Cooperation
3. NAM

FRIST ASSESSMENT :

1. Introduction to Political Science
2. Fundamental Concepts – (State & its Elements)

PROJECT TOPIC :

“SAARC AS THE FORUM OF REGIONAL COOPERATION”

PROJECT GUIDELINES :-

The project will be comprised of the following :-

- Acknowledgment
- Preface
- Index (A separate index has to be there for pictures , graphs & Table)
- Introduction
- Hypothesis , Research Questions , Reason for Choosing this topic , Method Used – INDEPTH RESEARCH (CONTENT ANALYSIS), limitations
- What do you mean by “Regional Cooperation” , Why is it needed? What do you mean by “Regional Organizations”- examples
- In brief write about the history behind the formation of SAARC, Where is its secretariat located , names of its member state , Aims of SAARC
Tables (highlighting the data) , relevant pictures is must
- INDEPTH RESEARCH (CONTENT ANALYSIS)
ACHIEVEMENTS OF SAARC
 - SAPTA
 - SAFTA
 - SAVE
 - SOUTH ASIAN GAMES
(Students need to discuss about each of them explain to highlight the achievement of SAARC – how SAARC has emerged itself as a forum of regional cooperation)Table (highlighting the data) , relevant pictures is must.
- INFERENCE – (Proving the Hypothesis)
- CONCLUSION
- BIBLIOGRAPHY

NOTE :-

- Project files need to be covered with ONLY with brown paper – NO DECORATION is needed
- Project to be written in BLACK PEN – BLUE PEN can be used to highlight important key words / Headings
- For heading Stencils can be Used (Headings , key words SHOULD be highlighted Children should refrain themselves from using multi colour inks
Every pages from Introduction – Conclusion need to have Relevant Pictures / Tables/Graphs
- These need to be bordered neatly , numbering them is must
- Pictures/ tables/graphs should be clear and prominent (color printouts are encouraged)
- NO EXTRA MARKS is there for ornamentation, Keep the project file very formal .
- The presentation needs to be very neat and tidy.

Subject: Physical Education

Section - A

1. Concept of Physical Education

- Meaning
- Importance
- Misconceptions
- Meaning of ‘Play’ and ‘Recreation’
- Meaning of ‘Games’ and ‘Sports’

2. Individual Aspects and Group Dynamics

- Interest and Attitude
- Motivation
- Leadership

3. Effects of Physical Exercise on Human Body Systems

- Effect on Skeletal and Muscular System
- Effect on Respiratory System
- Effect on Circulatory System
- Effect on Digestive System

Section - B

- **Football Laws (1 – 5)**
- **Cricket Laws (1 – 10)**
- **Basketball Laws (1 – 2)**

Subject: Sociology

UNIT – I : Origin and development of Sociology and Anthropology

- Emergence of Sociology and anthropology
- Nature and scope of Sociology
- Classical thinkers
 - i. August Comte – Positivism
 - ii. Harvard Spencer – Theory of Evolution
 - iii. M.L. Durkheim – Structural Functionalism
 - iv. Max Weber – Interpretive Sociology
 - v. Karl Marx – Conflict Theory
- Sociology and other Social Sciences

UNIT – II : Research Methodology

UNIT – III : Basic Concepts

- Individual and society
- Socialism
- Culture

UNIT – IV : Social Structure

- Social Groups
- Status and role
- Social processes.

1st REVIEW TEST : Basic concepts

- Individual and society
- Socialism
- Culture

PROJECT : 1. Any one classical thinkers – life and work

2. Social problems – any one

Subject: History

Indian history

1. Growth of Nationalism
2. Emergence of Colonial economy
3. Social and religious movements

World history

4. Impact of industrialization in Europe

5. World War I

6. The great depression

Review- The impact of industrialization in Europe

Growth of Nationalism

Subject: Geography

UNIT – II : PRINCIPLES OF PHYSICAL GEOGRAPHY

- Formation of the Earth
- Interior of the Earth
- Rocks
- Endogenous processes and Associated landforms
- Drifting of continents and plate tectonics
- Isostasy
- Volcanoes and Earthquakes
- Exogenous processes and associated landforms
- Soil
- Fluvial processes and associated landforms
- Aeolian processes and associated landforms
- Glacial processes and associated landforms
- Marine processes and associated landforms
- Coral reefs

1st REVIEW TEST :

- Formation of earth
- Interior of the earth
- Rocks
- Endogenous processes and associated landforms

PROJECT TOPIC :

Natural hazards – their causes and Management

- Earthquake
 - Volcanoes
 - Floods
 - Droughts
 - Landslides
- (ANY TWO)**