

DOUGLAS MEMORIAL HIGHER SECONDARY SCHOOL

SYLLABUS – 2018-19

CLASS – XI

ENGLISH PAPER – I

Half Yearly Examination :

- Composition
- Report Writing
- Proposal Writing
- Comprehension Passage
- Functional Grammar

Annual Examination :

- Composition
- Report Writing
- Proposal Writing
- Comprehension Passage
- Functional Grammar

ENGLISH PAPER – II

Half Yearly Examination :

- Play : The Tempest [Act. I]
- Prose : Salvatore
Fritz
Quality
- Poem : The Darkling Thrust
The Dolphins
The Gift of India

Annual Examination :

- Play : The Tempest [Act. I and II]

- Prose : To Build a Fire
The Story of an Hour
The Chinese Statue
- Poem : Birches
Crossing the Bar
The Spider and the Fly

BENGALI 2nd LANGUAGE

Half Yearly Examination :

- প্রবন্ধ ও গদ্য সংকলন : 1. ঠাকুরদা
2. জোড়াসাঁকোর ধারে
3. তাসের ঘর
- কবিতা সংকলন : 1. ওরা কাজ করে
2. পূর্ব-পশ্চিম
3. বনলতা সেন

কোণি : ১, ২, ৩, ৪, ৫ অধ্যায়

ব্যাকরণ : রচনা, বোধ পরীক্ষণ, বাগধারা, বাক্য, বাচ্য, উক্তি, বানান ও বাক্য শুদ্ধিকরণ, একই শব্দের ভিন্নার্থে প্রয়োগ, সাধু ও চলিত, ছেদ ও যতি চিহ্নের ব্যবহার, উপসর্গ ও অনুসর্গ।

Annual Examination :

- প্রবন্ধ ও গদ্য সংকলন : 1. অনাচার
2. রেকর্ড
3. বীর্যশুদ্ধা
- কবিতা সংকলন : 1. বর্ণ পরিচয়
2. সালেমনের মা
3. বাবরের প্রার্থনা

কোণি : ৫-১০ অধ্যায়

ব্যাকরণ : রচনা, বোধ পরীক্ষণ, বর্ষাধারা, বাক্য ও বানান শুদ্ধিকরণ।

HINDI 2nd LANGUAGE

Half Yearly Examination :

- पुस्तक : गद्य संकलन
- अध्याय : 1. पुत्र प्रेम
2. गौरी
3. शरणागत
- पुस्तक : काव्य मंजरी
1. साखी
2. एक फूल की चाह
3. आ: धरती कितना देती है
- पुस्तक : सारा आकाश
पुर्वारद्ध भाग (1 से 6 तक)
- व्याकरण : 1. मुहावरें
2. अशुद्ध वाक्य को शुद्ध करो
- रचना कौशल : 1. निबंध
2. अपठित गद्यांश

Annual Examination :

- पुस्तक : गद्य संकलन
- अध्याय : 1. सती
2. आरुट साइडर
3. संस्कृति क्या है
- पुस्तक : काव्य मंजरी
1. बाल लीला
2. नदी के द्वीप
3. जाग तुझको दूर जाना
- पुस्तक : सारा आकाश (उपन्यास)
पुर्वारद्ध भाग (1 से 10 तक)

- व्याकरण : 1. मुहावरें
2. अशुद्ध वाक्य को शुद्ध करो
- रचना कौशल : 1. निबंध
2. अपठित गद्यांश

MATHEMATICS

Half Yearly Examination :

1. Set, Relation, Function
2. Quadratic Equation and Inequalities
3. Trigonometry [Upto 3.7]
4. Limit and Derivatives
[Chain Rule from Class XII, Ex. 5.6]
5. Permutation and Combination
6. Statistics
7. Sequence Series [AP, GP]
8. Conic Section
9. Correlation Analysis
10. Index Number

Annual Examination :

1. Mathematical Induction
2. Binomial Theorem
3. Probability
4. Equation of Straight Line
5. Circle
6. Trigonometry [Full]
7. Complex Number
8. 3-Dimensional Geometry
9. Mathematical Reasoning
10. Conic Section [Revision]
11. Statistics [Sec – C]
12. Correlation Analysis [Revision]
13. Moving Average
14. Index Number [Revision]

PHYSICS

Half Yearly Examination :

1. Units & Measurements
2. Dimensions
3. Motion in a Straight Line
4. Motion in a Plane
5. Newton's Law of Motion
6. Friction
7. Uniform Circular Motion
8. Work, Power, Energy
9. Elasticity
10. Flow of Liquids
10. Viscosity

Annual Examination :

1. Surface Tension
2. Centre of Mass
3. Rotation of Rigid Body
4. Gravitation
5. Heat Transfer
6. Thermodynamics [1st Law and 2nd Law]
7. Kinetic Theory of Gases
8. Simple Harmonic Oscillation
9. Waves, Superposition of Waves
10. Motion in a Plane [Revision Chapter]
11. Newton's Law of Motion [Revision Chapter]
12. Friction [Revision Chapter]
13. Uniform Circular Motion [Revision Chapter]

CHEMISTRY

Half Yearly Examination :

- Chapter – 1 : Some Basic Concepts of Chemistry
 Chapter – 2 : Structure of Atom
 Chapter – 3 : Classification of Elements and Periodicity in Properties.
 Chapter – 8 : Redox Reactions
 Chapter – 12 : Organic Chemistry : Some Basic Principles and Techniques [Till Isomerism].

Annual Examination :

- Chapter – 4 : Chemical Bonding and Molecular Structure.
 Chapter – 5 : States of Matter : Gases and Liquids
 Chapter – 6 : Chemical Thermodynamics
 Chapter – 7 : Equilibrium
 Chapter – 9 : Hydrogen
 Chapter – 10 : S-Block Elements
 Chapter – 11 : Some P-block Elements
 Chapter – 13 : Hydrocarbons
Revision Chapter
 Chapter – 8 : Redox Reactions
 Chapter – 12 : Organic Chemistry : Some Basic Principles and Techniques.

BIOLOGY

Half Yearly Examination :

- Unit – 1 Diversity in Living Organisms
 ii) Biological Classification [Upto Kingdom Fungi].
Unit – 2 Structural Organisation in Animals and Plants
 i) Morphology of Flowering Plants
 ii) Anatomy of Flowering Plants

- Unit – 3 Cell Structure and Function
 i) Cell – The Unit of Life
 ii) Biomolecules [Upto Lipids]
- Unit – 4 Plant Physiology
 i) Transport in Plants
 ii) Mineral Nutrition
 iv) Respiration in Plants
- Unit – 5 Human Physiology
 i) Digestion and Absorption
 ii) Breathing and Exchange of Gases
 iii) Body Fluids and Circulation

Annual Examination :

- Unit – 1 Diversity in Living Organisms
 iii) Plant Kingdom
 iv) Animal Kingdom
- Unit – 2 Structural Organisation in Animals and Plants
 ii) Structural Organisation in Animals
- Unit – 3 Cell Structure and Function
 ii) Biomolecules [Full]
 iii) Cell Cycle and Cell Division
- Unit – 4 Plant Physiology
 iii) Photosynthesis in Higher Plants
 v) Plant Growth and Development
- Unit – 5 Human Physiology
 iv) Excretory Products and their Elimination
 v) Locomotion and Movement
 vi) Neural Control and Co-ordination
 vii) Chemical Co-ordination and Integration

HISTORY

Half Yearly Examination :Indian

1. Growth of Nationalism
 - a) Swadeshi Movement
 - b) Revolutionary Nationalism
2. Emergence of the Colonial Economy
 - a) Development of the Means of Transport and Communication.
 - b) British Revenue Policy
 - c) Development of Modern Industries
 - d) Colonial Forest Policy
3. Protested Movement Against Colonial Rule
 A Brief Account on
 - a) Indigo Uprising
 - b) Deccan Riots
 - c) Munda Uprising

World

4. World War I
 - a) Main Long Term Causes
 - b) New Technologies and Strategies
 - c) Reasons for USA's Entry
 - d) Reasons for Defeat of Central Powers
5. Peace Settlements and League of Nations
 - a) Changes in the Map of Europe
 - b) League of Nations
6. The Great Depression
 - a) Wall Street Crash
 - b) Impact on Economy of USA, Germany, Britain, France and Japan.

7. Rise of Communism : Russia
 - a) Bolshevick Revolution
 - b) Lenin
 - c) Struggle for Power between Stalin and Trotsky
8. Rise of Facism : Italy
 - a) Post War Discontent and Rise of Mussolini
 - b) Mussolini's Domestic Policy

Annual Examination :Indian

1. Gandhian Nationalism [1916-1922]
 - a) Launching of the Passive Resistance. Brief Summaries on Champaran, Ahmedabad and Kheda.
 - b) Rowlatt Act, Jallianwala Bagh, Khilafat and Non-Cooperation Movement.
2. Gandhian Nationalism [1927-1934]
 - a) Simon Commission
 - b) Civil Disobedience Movement
3. Towards Independence and Partition [Class XII Book]
 - a) Important Political Developments in Late 1930 & 1940.
 - b) Working of Provincial Autonomy
 - c) National Movements During 2nd World War
 - d) Subhash Chandra Bose and INA
 - e) Transfer of Power

World

4. Rise of Nazism : Germany
 - a) Rise of Hitler to Power
 - b) The Nazi State from 1933 Onwards
5. Rise of Militarism : Japan
 - a) Expansion into China
 - b) New Order in East Asia

6. World War II [Class XII Book]
 - a) Factors Leading to War
 - b) Anglo-French Appeasement Policies
 - c) Course of the War
 - d) Reasons for Defeat of the Axis Powers

GEOGRAPHY

Half Yearly Examination :

- Interior of the Earth
- Rocks
- Fluvial Process and Associated Landforms
- Volcanoes and Earthquake
- Isostacy
- Endogeneous Processes
- Drifting of Continents
- Exogenous Processes and Associated Landforms
- Aeolian Processes and Associated Landforms
- Glacial Processes and Associated Landforms
- Works of Underground Water
- Marine Processs

Practical : Statistical Diagrams

Map Projections

Map Pointing : World Map [Landforms, Waterbodies]**Annual Examination :**

- Soils
- Composition and Structure of Atmosphere
- Insolation and Temperature
- The Biosphere
- Atmospheric Pressure and Winds
- Atmospheric Moisture

- Submarine Relief
- Locational Setting of India
- Geology
- Relief
- Drainage
- Vegetation

Practical : Surveying

Map Pointing : Map of India [Hat, Long, Relief, Waterbodies, Passes, Rivers, Vegetation Belts].

PHYSICAL EDUCATION

Half Yearly Examination :

* There will be two parts in the Subject

Paper – I : Theory 3 Hours – 70 Marks

Paper – II : Practical Work – 30 Marks

Theory : [70 Marks]

Chapter – I : Concept of Physical Education

Chapter – II : Individual Aspects and Group Dynamics

Chapter – III : Effects of Physical Education and Exercise on Human Body System.

Chapter – IV : Any Two Major Games

Practical : [30 Marks]

Chapter – I : Physical Fitness

Chapter – II : Any 3 [Three] Games [Cricket, Hockey, Football, Volleyball, Badminton, Tennis]

Annual Examination :

Theory : [70 Marks]

Chapter – IV : Nutrition, Weight Control and Exercise

Chapter – V : Physical Fitness and Wellness

Chapter – VI : Games and Sports – A Global Perspective

Chapter – V : Any Two Major Games

Practical : [30 Marks]

Chapter – I : Physical Efficiency Test

Chapter – II : Athletics

Chapter – III : Any Two Major Games

POLITICAL SCIENCE

Half Yearly Examination :

1. Introduction to Political Science
2. Fundamental Concepts
3. Origin of State
4. Sovereignty
5. International Relations
6. Uni-polar World : US Unilateralism

Annual Examination :

1. Equality
 3. Justice
 3. Law
 4. Liberty
 5. Regional Cooperation – EU & ASEAN
- From Class XII Book
6. Forms of Government – Totalitarian, Authoritarian, Liberal Democratic States.
 7. Constitution of India – Preamble
 8. Indian Constitution – Salient Features

SOCIOLOGY

Half Yearly Examination :

1. Origin & Development of Sociology
2. Basic Concepts
3. Social Structure
4. Research Methodology

Annual Examination :

1. Indian Sociologists
2. Social Problems

ECONOMICS

Half Yearly Examination :

1. Understanding Economics
 - a) Definitions, Concept of Micro & Macro Economics
 - b) Basic Problems of an Economy
 - c) Types of Economics
2. Indian Economic Development
 - a) Introduction
 - b) Planning and Economic Development
 - c) Structural Changes in the Indian Economy after Liberalisation.
3. Statistics
 - a) Meaning, Scope and Limitations
 - b) Collection, Organisation and Presentation of Data
 - c) Measures of Central Tendency

Annual Examination :

1. Current Challenges Facing by Indian Economy
2. Economic Growth and Development
3. Sustainable Development
4. Measures of Dispersion
5. Correlation
6. Index Number

COMMERCE

Half Yearly Examination :

1. Nature and Purpose of Business
2. Social Responsibility of Business and Business Ethics
3. Emerging Modes of Business
4. Stock Exchange
5. Insurance
6. Home Trade

Annual Examination :

1. Forms of Business Organisation
 - Sole Proprietorship
 - Partnership
 - Joint Stock Company
 - Public Sector Undertakings
 - Co-operative Trade
2. Foreign Trade
3. Home Trade [Revisional Chapter]

ACCOUNTS

Half Yearly Examination :

1. Introduction to Accounting
2. Journal, Ledger and Trial Balance
3. Bank Reconciliation Statement
4. Depreciation
5. Final Accounts [With and without Adjustments]
6. Rectification of Errors

Annual Examination :

1. Bills of Exchange
2. Accounting Concepts
3. Accounts from Incomplete Records
4. Non-Trading Organisations
5. Computer Accounting

Revision Chapters

1. Bank Reconciliation Statement
2. Depreciation
3. Final Accounts

BUSINESS STUDIES

Half Yearly Examination :

1. Business Environment :
 - Feature, Importance of Business Environment and S.W.O.T Analysis.
2. Entrepreneurship :
 - Introduction, Types of Entrepreneur
 - Entrepreneurship [Features, Meaning]
 - Intrapreneurship [Meaning, Features]
 - Enterprise and Start-up Business
 - Business Risks and Causes of Failure
3. Managers and Managerial Roles :
 - Definition of Manager
 - Managerial Roles, Given by Mintzberg

Annual Examination :

1. Managers and Managerial Roles :
 - Authority, Responsibility and Accountability
 - Change Management
2. Automation of Workplaces :
 - Mechanisation and Automation
 - Productivity Enhancement Tools and Facilities at Banks, Retail Industry and Corporate Office.

COMPUTER SCIENCE

Half Yearly Examination :

- Representation of Numbers in Different Bases and Interconversion between them [eg. Binary, Octal, Decimal, Hexadecimal].

- Binary Addition
- Binary Subtraction [1's Complement Method & 2's Complement Method].
- Binary Multiplication
- Truth Table using 2, 3 & 4 Variables
- Basic Programming
- 2D – Array
- Logic Gates [NOT, AND, OR, NOR, NAND, XOR, XNOR].
- Universal Gates
- Logic Circuit Design
- Laws of Boolean Algebra
- Minimization of Boolean Expression
- Writing of Algorithm
- Basic Programming
- 2D – Array
- Programming using Objects & Passing of Objects through Functions.

Annual Examination :

- Half Yearly Syllabus
- Minimization of Boolean Expression
- Formation of Truth Table from a given Story
- Finding of POS & SOP Expression from the given Truth Table.
- Half Adder & Full Adder
- Searching – Learning & Binary Search
- Sorting – Bubble, Selection & Insertion Sort
- Stack
- Queue
- Infix to Postfix
- Postfix Evaluation