



Merit Search Scholarship Entrance Examination (MSSEE) Syllabus 2018

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Syllabus- Class 12th Physics , Chemistry , Biology, Mathematics & English Questions

MSSE EXAM For B-TECH ,OPTOMETRY ,B-PHARMACHY, BPT,BMLT,D-PHARMACY & BCA 2018 Syllabus Exam Pattern

MSSEE 2018 Syllabus for Physics

- Electronics and Communication
- Dual Nature of Matter and Nuclear Physics
- Atomic Physics and Relativity
- Electricity and Magnetism
- Ray and Wave Optics and Magnetism
- Heat and Thermodynamics
- Oscillations and Wave Optics
- Gravitations, Mechanics of Solids and Fluids
- Mechanics
- Units and Measurement

MSSEE Syllabus 2018 for Chemistry:

- Chemistry in Everyday Life
- Biomolecular
- Polymers
- Organic Compounds Containing Nitrogen
- Purification and Characterization of Organic Compounds
- Surface Chemistry, Chemical Kinetics and Catalysis
- Organic Compounds Containing Oxygen
- Hydrocarbons
- Some Basic Principles of Organic Chemistry
- Electro-chemistry
- Chemical Equilibrium
- Solutions
- Atomic Structure
- Chemical Families – Periodic Properties
- States of Matter
- Some Basic Concepts in Chemistry

MSSEE 2018 Syllabus for Mathematics:

- Trigonometry
- Probability

- Measures of Central Tendency and Dispersion
- Vector Algebra
- Conic Sections in Two Dimensions
- Sequences and Series
- Binomial Theorem and its Applications
- Mathematical Induction and its Applications
- Permutations and Combinations
- Circles in Two Dimensions
- Straight Lines in Two Dimensions
- Differential Equations
- Integral Calculus
- Applications of Differential Calculus
- Differential Calculus
- Quadratic Equations
- Applications of Matrices and Determinants
- Matrices and Determinants
- Complex Numbers
- Sets, Relations and Functions

MSSEE Syllabus 2018 for Biology

Botany

- **Taxonomy of Angiosperm**
- **Plant Anatomy**
- **Cell Biology and Genetics**
- **Biotechnology**
- **Plant Physiology**
- **Biology in Human Welfare**

Zoology

- **Human Physiology**
- **Microbiology**
- **Immunology**
- **Modern Genetics and Animal Biotechnology**
- **Environmental Science**
- **Applied Biology**
- **Theories of Evolution**

MSSEE English Syllabus 2018

- **The Grammar syllabus will include the following areas in classes XI & XII.**
- **1. Tenses**
- **2. Modals (have to/had to, must, should, need, ought to and their negative forms)**
- **3. Use of passive voice**
- **4. Subject – verb concord**

- 5. Reporting
- (i) Commands and requests
- (ii) Statements
- (iii) Questions
- 6. Clauses:
- (i) Noun clauses
- (ii) Adverb clauses of condition and time
- (iii) Relative clauses
- 7. Determiners, and
- 8. Prepositions

MSSEE 2018 Exam Pattern

S.No	Particulars	Details
1	Mode of Examination	OFFLINE
2	Duration of Examination	1 hours 30 minutes
3	Language of Exam	English OR Bengali
4	Type of Questions	Objective (Multiple Choice Questions)
5	Sections	Physics – 25 Questions Chemistry – 25 Questions Mathematics – 25 Questions Biology- 25 Question English-25 Question
6	Marking Scheme	1 marks will be awarded for each correct answer
7	Negative Marking	There will be no negative marking