Detailed Syllabus of BITS HD

Candidates appearing for BITS HD 2023 exam should be aware of the syllabus of BITS HD exam previous years for reference. The subject-wise detailed syllabus of BITS HD has been enumerated below.

BITS HD Syllabus for Test 1

The BITS HD 2022 syllabus for Test 1 comprises of various subjects such as core mathematics and english language and logical reasoning. Click here to check the entire syllabus of BITS HD 2022 Test 1.

BITS HD Syllabus for Test 2

The BITS HD 2022 syllabus for Test 2 comprises of various subjects such as chemical engineering, civil engineering, electrical and electronics engineering, mechanical engineering and computer science amongst others. Click here to check the entire syllabus of BITS HD 2022 Test 2.

BITS HD Syllabus for Special Test in Sanitation Science, Technology and Management

The BITS HD 2022 syllabus for Special Test in Sanitation Science, Technology and Management comprises of various subjects such as environmental pollution, water and wastewater treatment, solid waste management etc. Click here to check the entire syllabus of BITS HD 2022 Special Test in Sanitation Science, Technology and Management.

BITS HD 2022 Syllabus for Special Test in Software Systems

The BITS HD 2022 syllabus for Special Test in Software Systems comprises of various subjects such as databse systems, core systems, object orientation and software engineering etc. Click here to check the entire syllabus of BITS HD 2022 Special Test in Software Systems.

None

None

None

BITS HD Syllabus 2025

BITS HD 2025 syllabus has been released by the Birla Institute of Technology and Science in the BITS HD information brochure. The candidates can download the BITS HD 2025 information brochure from the official website - **bitsadmission.com**. The BITS HD 2025 exam consists of two parts. Part 1 will be the same for all the candidates and will include topics from **Mathematics, English Language, and Logical Reasoning**. BITS HD 2025 syllabus Part 2 will contain topics from the respective engineering disciplines. The aspirants should read and prepare the entire syllabus to aim for a good score and achieve better results in the exam. Going through the entire syllabus is an important part of the BITS HD preparation strategy. The candidates are advised to read, study, and prepare the syllabus in detail so that they can focus on fetching good marks in the exam. It is also imperative for the candidates not to skip or miss any topics from the syllabus during the preparations. Even the simpler topics can help them fetch good marks in the BITS HD 2025 exam.

Along with the syllabus, candidates should analyze the **BITS HD exam pattern 2025** to understand the marking scheme, exam mode, section-wise weightage, etc. They should be familiar with the best books to refer to so they can prepare for the exam effectively. The preparation strategy given on this page will help the applicants in completing the syllabus for the exam. Read the full post to check the BITS HD 2025 syllabus and gather some good tips for exam preparation.

BITS HD 2025 Exam Pattern

Candidates should be familiar with the BITS HD exam pattern 2025 along with the BITS HD 2025 syllabus, check the table below for the same:

Mode	Computer-Based
Medium of Instruction	English
Type of Question	Multiple Choice Questions

Number of Questions	Test 1: 30
	Test 2: 70
	Test for Software Systems: 50
	Test for M.E. Sanitation Science, Technology and Management: 50
Duration	Test 1: 45 minutes
	Test 2: 105 minutes
	Test for Software Systems: 60 minutes
	Test for M.E. Sanitation Science, Technology and Management: 60 minutes
Marking Scheme	3 marks for each correct answer
Negative Marking	-1 for each wrong Answer

BITS HD 2025 Preparation Strategy

Keeping in mind the vast syllabus of BITS HD 2025, candidates must be prepared well in advance to secure a good score in the examination. Candidates should be well aware of the exam pattern in order to formulate a preparation strategy for the exam. Candidates can follow some of the preparation tips mentioned below for an effective output in the exam.

1. Candidates must be familiar with the exam pattern, comprising of marks distribution pattern, total questions to be asked in the exam, duration of the exam, and more.

2. They need to select the correct books for the preparation of the exam.

3. They should set a timetable for preparation and adhere to it diligently.

4. Candidates should set aside sufficient time for revision.

5. They should take proper rest in between preparing for the exam.

Best Books for BITS HD 2025 Syllabus

Here are the best books that candidates can refer to the BITS HD 2025 syllabus preparations.

1. Mathematics - The Four Pillar of Geometry by John Stillwell

2. English - Advanced English Grammar by Martin Herwing

3. Logical Reasoning - Modern Approach to Logical Reasoning by R.S Agarwal

4. Mechanical Engineering - Principles of Manufacturing Materials and Processes

5. Civil Engineering - An Introduction to Mechanics of Solids

6. Electrical and Electronics Engineering - Foundation of Electrical Engineering

7. Chemical Engineering - Elementary Principles of Chemical Processes

BITS HD Syllabus 2025 for Test 1

Candidates are recommended to thoroughly review the BITS HD 2025 curriculum to determine the list of subjects that must be covered while studying for the test. Check the detailed BITS HD syllabus 2025 for Test 1, Test 2 and Special Test given below.

BITS HD 2025 Syllabus for Test 1

Sections	Topics
Core Mathematics	• Linear Algebra • Calculus • Complex Variables • Statistics and Probability • Equations of Differentiation • Numerical Techniques
English Language	English • Reading • Comprehension • Composition Grammar • Vocabulary

| Logical Reasoning | • Verbal Reasoning |
| | • Non-Verbal Reasoning |

Click on the link given below and download the complete BITS HD syllabus PDF for test 1.

[BITS HD Syllabus PDF for Test 1](#)

BITS HD Syllabus 2025 for Test 2

The BITS HD syllabus 2025 for test 2 will include topics from Chemical Engineering, Electrical and Electronics Engineering, Civil Engineering, Mechanical Engineering, Pharmacy, Computer Science, Chemistry, Instrumentation, Biological Sciences, Economics, Mathematics, and Physics.

Candidates can access the complete BITS HD 2025 syllabus for test 2 by clicking on the link given below.

[BITS HD Test 2 Syllabus PDF](#)

BITS HD 2025 Syllabus for Special Test In Software Systems

Questions in the BITS HD 2025 special test will be asked from the following topics.

- Structured Programming in C
- Advanced Programming in C
- Object Orientation and Software Engineering
- Database Systems
- Core Systems

Click on the link given below to access the BITS HD syllabus PDF for special test in software system.

[BITS HD Syllabus PDF for Special Test](#)

BITS HD 2025 Syllabus for Special Test in Environmental Engineering

Candidates can check the BITS HD syllabus 2025 for Special Test in Environmental Engineering given below.

- Environmental Pollution
- Water and Wastewater Treatment
- Measurement of Water Quality
- Sludge Treatment and Disposal
- Solid Waste Management

Click on the link given below to access the BITS HD Sanitation Science, Technology, and Management syllabus PDF.

[BITS HD Syllabus PDF for Sanitation Science, Technology and Management](#)

Best Books for BITS HD 2025 Syllabus Preparation

Refer to the table here to know the best books for the BITS HD syllabus preparation, candidates can check the subject wise books here in the tabular representation given below.

Subjects	Recommended Books
Chemical Engineering	• Basic principles and calculations in chemical engineering by Himmelblau DM Riggs JB • Elementary Principles of Chemical Processes by John Wiley & Sons
Civil Engineering	• A textbook of building construction by Arora SP & SP Bindra • Design of steel structure by N Subramaniam
Electrical and Electronics Engineering	• Foundation of electrical engineering by Leonard S Bobrow and Navneet Gupta • Analog electronics by LK Maheshwari and MMS Anand

Mechanical Engineering	• Principles of manufacturing materials and processes by JS Campbell • Fluid mechanics by Frank White
Computer Science	• Computer organization & design: Hardware-software interface
Biological Sciences	• Concepts of Ecology by EJ Kormondy
Chemistry	• Concise organic chemistry by JD Lee
Pharmacy	• Textbook of forensic pharmacy Vallabh Praskashan by BM Mittal
Mathematics	• Topics in algebra IN Herstein • The four pillars of geometry by John Stillwell
Physics	• Introduction to solid state physics by Charles Kittel
Sanitation science, technology & management	• Textbooks for environmental studies by Erach Bharucha
Logical Reasoning	• A modern approach to logical reasoning by RS Aggarwal
English Language	• Advanced english grammar by Martin Hewings • Intermediate english grammar by Raymond Murphy
Core Mathematics	• The four pillar of geometry by John Stillwell