

BITSAT

A Computer Based Online Test for Admission to Integrated First Degree programmes of BITS Pilani

The Birla Institute of Technology and Science (BITS) Pilani, recognized as an “Institution of Eminence” by Ministry of Education, Government of India, is India’s leading Institute of Higher Education and a deemed to be university, with an illustrious legacy, modern campuses and eminent alumni in leadership positions across the world. The Institute's commitment to excellence, adherence to merit, transparency, innovation, and enterprise have characterized its steady march to eminence. It is the only Private University which DST, Government of India has identified to establish a Technology Innovation Hub under the Bio-CPS vertical with a grant of Rs 125 Crore.

Admissions to all the Integrated First Degree programmes of BITS Pilani for its Campuses at Pilani, Goa, and Hyderabad for the academic year 2023-24 will be made on the basis of a Computer based Online Test conducted by BITS Pilani.

Integrated First degree programmes to which admissions will be made on the basis of BITSAT-2023:

(i) at BITS Pilani – Pilani Campus:

B.E.: Chemical, Civil, Computer Science, Electrical and Electronics, Electronics & Instrumentation, Electronics & Communication, Mechanical, Manufacturing.

B. Pharm.

M.Sc.*: Biological Sciences, Chemistry, Economics, Mathematics, Physics and

M.Sc.: General Studies.

(ii) at BITS Pilani – K. K. Birla Goa Campus:

B.E.: Chemical, Computer Science, Electronics & Communication, Electrical and Electronics, Electronics & Instrumentation, Mechanical.

M.Sc.*: Biological Sciences, Chemistry, Economics, Mathematics, and Physics.

(iii) at BITS Pilani – Hyderabad Campus:

B.E.: Chemical, Civil, Computer Science, Electronics & Communication, Electrical and Electronics, Electronics & Instrumentation, Mechanical.

B. Pharm.

M.Sc.*: Biological Sciences, Chemistry, Economics, Mathematics, and Physics.

Eligibility:

(i) For admission to all the above programmes except B. Pharm.: Candidates should have passed the 12th examination of 10+2 system from a recognized Central or State board or its equivalent with Physics, Chemistry, and Mathematics and adequate proficiency in English.

(ii) For admission to B. Pharm.: Candidates should have passed the 12th examination of 10+2 system from a recognized Central or State board or its equivalent with Physics, Chemistry, and Biology and adequate proficiency in English. However, candidates with PCM may also apply for the Pharmacy program.

Admissions to all the programmes are subject to the conditions given below:

The candidate should have obtained a minimum of aggregate 75% marks in Physics, Chemistry and Mathematics subjects (if he/she has taken Mathematics in BITSAT) or a minimum of aggregate 75% marks in Physics, Chemistry and Biology subjects (if he/she has taken Biology in BITSAT) in 12th examination, with at least 60% marks in each of the Physics, Chemistry, and Mathematics/ Biology subjects.

Only Students who are appearing for 12th examination in 2023 or who have passed 12th Examination in 2022 are eligible to appear in the BITSAT-2023 test. If a candidate has taken more than one attempt in 12th class or its equivalent, only his latest performance is considered, provided this attempt has been for the full component of subjects/courses prescribed. *Students who have passed 12th examination in 2020 or earlier are NOT eligible to appear in BITSAT-2022.* Students who are presently studying in BITS at any of its campuses are not eligible to appear in BITSAT-2023.

Admissions will be made purely on merit. The merit position of the candidate for admission will be based on the score obtained by the candidate in the BITSAT-2023. However, their eligibility for admission is subject to fulfilling the requirement of minimum marks in 12th examination, as mentioned above.

Direct Admission to Board Toppers: In the past, admission process of the Institute always ensured guaranteed admission to all the students who obtained first ranks in their respective board examinations. This has given a very vital input of highly meritorious students from all over India. First rank students of State and Central boards in India for the year 2023 will be given direct admission to the program of their choice, irrespective of their BITSAT-2023 score as per the eligibility criteria. The detailed eligibility criteria, application procedure, and prescribed application form will be available at www.bitsadmission.com

Further details about the Board Toppers' scheme will be available at BITS admission website.

BITSAT-2023 Test Format:

Each session of BITSAT-2023 will be of total 3-hour duration (without break). The tests' sessions consist of four parts:

Part I : Physics

Part II : Chemistry

Part III : (a) English Proficiency and (b) Logical Reasoning

Part IV : Mathematics or Biology (For B. Pharm candidates)

All questions are of objective type (multiple choice questions); each question with a choice of four answers, only one being correct choice. Each correct answer fetches 3 marks, while each incorrect answer has a penalty of 1 mark (-1 mark). No marks are awarded for questions not attempted. While the candidate can skip a question, the computer will not allow the candidate to choose more than one option as the correct answer.

There will be 130 questions in all. The number of questions in each part is as follows:

	Subject	No of questions
Part I	Physics	30
Part II	Chemistry	30
Part III	(a) English Proficiency	10
	(b)	20
Logical Reasoning		
Part IV	Mathematics/Biology (For B. Pharm)	40

Total: 130

There is no time limit for individual parts of the test. The candidate can go back and change any of his/her answers among the 130 questions.

If a candidate answers all the 130 questions (without skipping any question), the candidate will have an option of attempting 12 (twelve) extra questions, if there is still time left. These extra questions will be from Physics, Chemistry, Mathematics/Biology and Logical reasoning only; three questions from each of them. Further, once the candidate has opted for extra questions, he/she cannot go back for correction of any of the earlier answered 130 questions.

The questions are so designed that a good student will be able to answer 130 questions in 180 minutes. The extra questions (a maximum of 12) will give a chance to highly meritorious candidates

to score higher. However, candidates should keep in mind the fact that there is **negative marking** for wrong answers and any attempt to answer the questions by pure guessing of the answers is not likely to have any advantage, but may result in a reduction in the total score.

The questions will be selected at random from a large question bank. Different candidates will get different question sets. An expert committee will ensure that the question sets are of comparable difficulty level, content, question type etc. In this matter, the decision of the expert committee will be final and binding on the candidate.

All the questions and instructions of the test will be in English only. Candidates should bring a pen for the purpose of rough work, signing etc. Blank sheets for rough work will be provided, if required.

Calculators and logarithmic tables are **not allowed** in the test centers. Candidates are not allowed to bring any other personal belongings such as mobiles.

Each candidate who registers for BITSAT-2023 will be instructed to download a 'Hall Ticket'.

Candidates with the hall ticket only will be allowed inside the Test centers. All centers are closely monitored for security reasons and candidates' identity and activities will be recorded using web cameras and/or closed circuit TV cameras fitted in the test centers. Candidate's finger print and photograph will be taken at the time of the test (BITSAT-2023) and will be matched at the time of admission at particular BITS campus. Anyone violating the rules of the test center will not be allowed to continue with the test and will automatically be disqualified.

Syllabus:

The BITSAT-2023 test will be conducted on the basis of NCERT syllabus for 11th and 12th class. The detailed syllabus is given in the Annexure. Candidates may refer to the NCERT textbooks for the contents. A sample test demonstrating the features of BITSAT-2023 will be made available to the registered candidates at the BITS admission website on which he/she can practice as many times as desired.

Procedure to Apply for admission in BITS:

In addition to applying and appearing for BITSAT-2022, candidates have to also apply for admission to BITS giving details of their 12th marks and preferences to different degree programmes offered at three Indian campuses of BITS. The prescribed application form for admission, the detailed application procedure, details of academic flexibilities such as Dual Degree, Transfer, etc.; admission modality, and the final list of degree programmes offered will be made available at the BITS admission website, tentatively in **July 2022**. The completed application form with the details of their 12th marks and preferences to different degree programmes along with the required application fee has to be submitted online at the BITS admission website on or before **August 5, 2022**.

Important Notes:

- i. The tests are generated from a large question bank and different candidates will get different question sets. An expert committee will ensure that the question sets are of comparable difficulty level, content, question type etc. In this matter, the decision of the expert committee will be final and binding on the candidate.
- ii. The test assumes that the candidate has basic familiarity with computers, keyboard, and mouse operation. It is the responsibility of the candidate to acquire these skills before appearing in the test and the Institute cannot take responsibility for the same.
- iii. The Institute is planning to operate test centers in different cities other than the Pilani, Goa and Hyderabad campuses of BITS as previously stated. The final list of centers and actual days of operation will be announced to candidates through the BITS admission website www.bitsadmission.com. The Institute cannot guarantee that test centers will be set up in all these cities. Further, the Institute reserves the right to cancel any test center if such a situation arises. In such cases, those candidates allotted to these centers will be accommodated in alternate test centers including Pilani/Goa/Hyderabad campuses of BITS.

iv. While BITSAT-2023 tests are scheduled to be held from 20th June – 26th June 2022 for session 1 and 22nd July – 26th July 2022 for session 2, some of the test centers may operate only for a limited duration during this period depending on the number of applications received. The final list of the centers will be announced on the BITS admission website after all the applications are received.

v. Each day the exam will be conducted in two slots. The first slot will be from 9:00 AM till 12:00 Noon and the second slot will be from 2:00 PM till 5:00 PM. A candidate can choose anyone out of these two slots based on availability. More details will be available on the admission website.

vi. The preferences that you give are only indicative and are to guide the Institute in deciding the number of centers. The Institute cannot guarantee that you will get your first preference. Further, if the Institute is unable to allot any center of your choice, you will be allotted a center either at Pilani or at Goa or at Hyderabad campuses of BITS. The exact center where you will be appearing for the test will be announced at the BITS admission website www.bitsadmission.com. However, the Institute IX

will try to accommodate all female candidates at their first preference of test centers.

vii. The candidate must fully obey the rules of the test centers; otherwise, he/she will be automatically debarred from the test.

viii. If a candidate completes the application form along with the fee but discovers any mistake in the form submitted by him/her, he/she can edit the required fields in the online application from 17th May - 23rd May 2022. No Email queries regarding corrections will be entertained for security and privacy reasons. The candidate has to go online and make changes to his or her application during this period. No further changes can be made to the application.

ix. In addition to applying for and appearing in BITSAT-2022, candidates have to also apply for admission to BITS as per the ‘Procedure for applying for Admission’ outlined earlier. The prescribed online application form for admission will be made available at the BITS admission website, during 22nd June – 5th August, 2022, for those who register for BITSAT-2022 and seek admission to BITS. The completed application form with the details of their 12th marks and preferences to different degree programmes along with the required application fee has to be submitted online at the BITS admission website on or before 5:00 PM on August 5, 2022.

x. All information and communications regarding BITSAT-2022 and Admission to BITS are made available to the registered candidates on the BITS admission website www.bitsadmission.com. Candidates are advised to view this website regularly for all related information on BITSAT and on admissions to BITS.

xi. In all matters in the conduct of BITSAT-2022, the decision of the Vice-Chancellor of BITS Pilani will be final.

xii. All disputes pertaining to BITSAT-2022 shall fall within the jurisdiction of Pilani only.

xiii. All queries related to BITSAT-2022 application filling, BITSAT application fee payment issues (payment gateway issues), admissions to various programmes, etc. should only be sent to the mail id: bitsat2022@pilani.bits-pilani.ac.in.