

Narayana Online Examinations



BITSAT Module

Websites

www.narayanaonlineexams.com
www.narayanaonlineexaminations.com
www.narayanaonlineexaminations.org

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About BITSAT

BITSAT is a Computer Based Online Test for Admissions to all the Integrated First Degree programmes of **Birla Institute of Technology and Science (BITS)** campuses at Pilani, Goa and Hyderabad. 'Computer Based Online Test' means the candidate sits in front of a computer and the questions are presented on the computer monitor and the candidate submits the answers through the use of keyboard or mouse. Each computer is connected to a server, which prepares the question set and delivers it to the candidate on the computer. This is unlike the traditional paper-pencil based test, which is generally offered on a single day to all candidates.

BITSAT will be offered over a period of approximately one month (May-June) and the candidate can choose the center, the day and time of his/her convenience to take the test.

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Bitsat Exam Pattern

There will be 150 questions in all. The number of questions in each part is as follows:

	Subject	No of questions
Part I	Physics	40
Part II	Chemistry	40
Part III	(a) English Proficiency	15
	(b) Logical Reasoning	10
Part IV	Mathematics	45
	Total	150

- If a candidate answers all the 150 questions (without skipping any question), the Candidate will have an option of attempting 12 (twelve) extra questions within the time allotted i.e., 3 Hrs. Four questions will be given from each Part I,II,IV (Physics, Chemistry and Mathematics).
- If the candidate has opted for extra questions, he/she is not allowed to go back for correction of any of the earlier answered 150 questions.
- The questions were selected at random from a large question bank. Different candidates will get different question sets.
- Score card Report will be displayed after the completion of the test. You can also take a print of the scorecard by single Click on **Print** button.

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Bitsat Campuses



Birla Institute of Technology and Science (BITS, Pilani)

Vidya Vihar Campus
PILANI
Rajasthan
Pin: 333031
INDIA

www.bits-pilani.ac.in

Birla Institute of Technology and Science (BITS, - K. K. Birla GOA Campus,

Near NH17B, Bypass Road,
Zuarinagar
GOA
Pin: 403726
INDIA

www.bits-go.a.ac.in

Birla Institute of Technology & Science, Pilani

BITS Pilani, Dubai Campus
Dubai International Academic City
P. O. Box No. - 345055
Dubai, UAE

Telephone: +9714 4200 700
Fax : +9714 4200 555

Web: <http://universe.bits-pilani.ac.in/dubai>

BITS, Pilani - Hyderabad Campus

Jawahar Nagar, Shameerpet Mandal,
HYDERABAD
Pin: 500078
Andhra Pradesh.
INDIA

Telephone: +91-040 66303999
+91-040 66303999

Fax : +91-040 66303998
www.bits-hyderabad.ac.in

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Test Schedule

NPT1 - [NARAYANA PART TEST - 1]

Test Date : 27/10/2013

MATHEMATICS

- Properties and solutions of Triangles
- Trigonometric Ratios & Identities
- Inverse Trigonometric Functions (ITF)
- Heights and Distances
- Trigonometric Equations

PHYSICS

- Kinematics
- Newton's Laws of Motion
- Impulse and Momentum (Collision & Centre of Mass included)
- Work, Power & Energy

CHEMISTRY

- Stoichiometry (Mole Concept I & II)
- Atomic Structure
- States of Matter
- Thermodynamics
- Chemical Equilibrium
- Ionic Equilibrium

NPT2 - [NARAYANA PART TEST - 2]

Test Date : 10/11/2013

MATHEMATICS

- Quadratic Equations
- Sequences & Series
- Permutation & Combinations
- Binomial Theorem
- Complex Number
- Sets & Relations
- Mathematical Induction & Exponential Series

PHYSICS

- Rotational Motion
- Gravitation
- Mechanics of Solids and fluids (Elasticity + Surface Tension + Viscosity)

CHEMISTRY

- Periodic Table
- Chemical Bonding
- Hydrogen and its compounds
- s-Block elements
- Boron and Carbon Groups

NPT3 - [NARAYANA PART TEST - 3]

Test Date : 24/11/2013

MATHEMATICS

- Straight Lines
- Pair of Straight Lines
- Circles
- System of Circles
- Parabola
- Ellipse
- Hyperbola

PHYSICS

- Heat and Thermodynamics
- Waves
- Oscillations

CHEMISTRY

- General Organic Chemistry -I (IUPAC, Electronic displacement, types of reagents and reactions, purification, element detection & estimation)
- General Organic Chemistry -II (Isomerism Complete)
- Aliphatic and Aromatic Hydro Carbons)

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Test Schedule

NPT4 - [NARAYANA PART TEST - 4]

Test Date : 18/12/2013

MATHEMATICS

- Functions
- Limits
- Continuity & Derivability
- Method and application of derivatives
- Logarithms and Inequalities

PHYSICS

- Optics
- Electrostatics

CHEMISTRY

- Solid State
- Solutions & Colligative Properties
- Electro Chemistry
- Chemical Kinetics
- Surface Chemistry

NPT5 - [NARAYANA PART TEST - 5]

Test Date : 22/12/2013

MATHEMATICS

- Indefinite Integration
- Definite Integration
- Area under Curves
- Differential Equation

PHYSICS

- Current Electricity
- Magnetic effect of Current
- Electro Magnetic Induction (Including AC Circuits)

CHEMISTRY

- Metallurgy
- P-Block elements (15, 16, 17 groups)
- d-Block elements
- f-Block elements
- Coordination Compounds
- Qualitative Inorganic Analysis
- Volumetric Analysis

NPT6 - [NARAYANA PART TEST - 6]

Test Date : 05/01/2014

MATHEMATICS

- Matrices & Determinants
- Vector Algebra
- Probability
- 3-D Geometry
- Probability & Distribution
- Statistics
- Linear Programming

PHYSICS

- Modern Physics
- Units and Measurements

CHEMISTRY

- Alkyl Halides, Alcohols, Phenols, Ethers
- Grignard Reagent
- Carbonyl Compounds
- Carboxylic acids & Derivatives
- Organic Compounds Containing Nitrogen
- Practical organic chemistry including functional group detection
- Bio Molecules, Chemistry in medicine, Environmental Chemistry

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Test Schedule

<u>MATHEMATICS</u>	<u>PHYSICS</u>	<u>CHEMISTRY</u>
FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
NGT1 - [NARAYANA GRAND TEST - 1]		Test Date : 19/01/2014
NGT2 - [NARAYANA GRAND TEST - 2]		Test Date : 02/02/2014
NGT3 - [NARAYANA GRAND TEST - 3]		Test Date : 16/02/2014
NGT4 - [NARAYANA GRAND TEST - 4]		Test Date : 02/03/2014
NGT5 - [NARAYANA GRAND TEST - 5]		Test Date : 23/03/2014
NGT6 - [NARAYANA GRAND TEST - 6]		Test Date : 06/04/2014
NGT7 - [NARAYANA GRAND TEST - 7]		Test Date : 20/04/2014
NGT8 - [NARAYANA GRAND TEST - 8]		Test Date : 04/05/2014
NFGT1 - [NARAYANA FINAL GRAND TEST - 1]		Test Date : 11/05/2014
NFGT2 - [NARAYANA FINAL GRAND TEST - 2]		Test Date : 25/05/2014

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