**BITSAT 2017 Exam Pattern**

This BIT Science Aptitude Test will be conducted via online mode. The Candidates who are going to appear in the BITSAT 2017 firstly check their Exam Pattern 2017 from the official website. We are providing all details of the BTSAT Exam Pattern 2017 which are mention below:-

|  |  |  |
| --- | --- | --- |
| **Sections** | **Name of Subjects** | **Total no. of Questions** |
| 1st | Physics | 40 |
| 2nd | Chemistry | 40 |
| 3rd | (A) English Proficiency  (B) Logical Reasoning | 15  10 |
| 4th | Mathematics / Biology (For B.Pharma) | 45 |
| Total |  | 150 |

**BITSAT Syllabus**

BITSAT Exam Syllabus is given in detailed on our site; please check it carefully which is given below:-

**BITSAT Syllabus for Physics**

* Heat and Thermodynamics
* Electronic Devices
* Units & Measurement
* Kinematics
* Newton’s Laws of Motion
* Impulse and Momentum
* Work and Energy
* Rotational Motion
* Gravitation
* Mechanics of Solids and Fluids
* Oscillations
* Optics
* Waves
* Current Electricity
* Electrostatics
* Modern Physics
* Magnetic Effect of Current
* Electromagnetic Induction

**BITSAT Syllabus for Chemistry**

* Biological, Industrial and Environmental Chemistry
* Theoretical Principles of Experimental Chemistry
* States of Matter
* Atomic Structure
* Thermodynamics
* Physical and Chemical Equilibria
* Electro chemistry
* Chemical Kinetics
* Surface Chemistry
* Hydrogen and s-block elements
* s-p-d and f-blocks elements
* Chemical Bonding & Molecular Structure
* Principles of Organic Chemistry and Hydrocarbon
* Stereo chemistry
* Organic Compounds with Functional Groups Containing Oxygen and Nitrogen

**BITSAT Syllabus for Mathematics**

* The fundamental theorem of algebra
* Theory of Quadratic equations
* Arithmetic, geometric and harmonic progressions
* Logarithms and their properties
* Exponential series
* Permutations and combinations
* Binomial theorem, Pascal’s triangle
* Circles, Straight lines & Pair of straight lines
* Sets, Relations & Functions
* Matrices Determinants
* Complex numbers
* Heights and Distances
* Statistics

**BITSAT Syllabus for English Proficiency**

* Verbal Ability
* Analogies
* Syllogisms
* Vocabulary
* Synonyms
* Antonyms
* Conclusion
* Composition
* Comprehension
* Word Formation
* Error Correction
* Theme detection
* Fill in the Blanks
* Unseen Passages
* Idioms & Phrases
* Passage Correction
* Idioms and Phrases
* Sentence Correction
* Passage Completion
* Sentence Completion
* Subject-Verb Agreement
* Antonyms and Synonyms
* Sentence Rearrangement
* Reading Comprehension
* Verbal Reasoning

**BITSAT Syllabus for Logical Reasoning**

* Non-verbal Reasoning
* Analogy
* Puzzle Test
* Syllogism
* Classification Test
* Alphabet Test
* Eligibility Test
* Data Sufficiency
* Theme Detection
* Coding-Decoding
* Blood Relations
* Series Completion
* Assertion & Reason
* Clocks & Calendars
* Direction Sense Test
* Logical Venn Diagrams
* Situation Reaction Test
* Statement – Arguments
* Statement – Conclusions
* Arithmetical Reasoning
* Number and Letter Series
* Mathematical Operations
* Logical Sequence of Words
* Alpha Numeric Sequence Puzzle
* Inserting the Missing Character
* Number, Ranking & Time Sequence
* Linear and Matrix arrangement
* Deriving Conclusions from Passages
* Binary Logic
* Verbal Reasoning