



**अखिल भारतीय छात्रवृत्ति परीक्षा संस्थान**  
**All India Scholarship Test Foundation**

*" You must be the change you wish to see in the world." – Mahatma Gandhi*

**Syllabus for Bachelor of Computer Application**  
**&**  
**Bachelor of Business Administration**

## **Mathematics**

- Sets, Relations and Functions
- Complex Number and Quadratic Equations
- Sequence and Series
- Matrices and Determinants
- Permutations and Combinations
- Binomial Theorem
- Probability
- Trigonometric Ratios and Equations
- Properties of Triangles and Inverse Trigonometric Functions
- Cartesian System and Lines
- Circle
- Conic Section
- Limits, Continuity and Differentiability
- Differential Coefficient and Its Application
- Indefinite Integration
- Definite Integration and Its Applications
- Different Equations
- Vector Algebra and Three Dimensional 5 Pace
- Statistics

## **Logical Ability & Reasoning**

- Alphabet Test
- Word Formation
- Coding – Decoding



- Analogy Test
- Classification
- Series Test
- Sitting Arrangement
- Number, Ranking and Time Sequence Test
- Direction Sense Test
- Blood Relations
- Mathematical Operations
- Analytical Reasoning
- Logical order of words
- Input-Output
- Data Sufficiency
- Eligibility Test
- Statement and its Products
- Assertion and Reason
- Cause and Reason
- Syllogism
- Venn-Diagram
- Cube and Dice
- Figure Analogy
- Image Test
- Counting of Figures Completion of Figures
- Paper Folding and Paper Cutting
- Embedded Figures
- Formation of Figures



- Grouping of Identical Figures

### **Computer Awareness and Information Technology**

- Computer Fundamentals
- Number Systems and Computer Codes
- Computer Network
- Operating System
- Database Management System (DBMS)
- System Analysis and Design
- Software Engineering
- Computer System Architecture
- "C" Language and OPP
- Data Structure
- Section Test 1
- Section Test 2

### **General Knowledge**

- History
- Geography
- Indian Polity
- Indian Economy
- General Science
- General Knowledge

### **English Language & Comprehension**

- Spotting Errors
- Rearrangement
- Sentence Completion



- Sentence Completion
- Sentence Improvement
- Synonyms and Antonyms
- Spelling Test
- One Word Substitution
- Idioms and Phrases
- Cloze Test
- Reading Comprehension

