

KHWAJA MOINUDDIN CHISHTI LANGUAGE UNIVERSITY, LUCKNOW

**Syllabus of Bachelor of Computer Application (BCA) Entrance Examination
for Admission – 2025**

It is divided into four sections: Section I covers General English and General Knowledge, Section II focuses on Mathematics, Section III deals with Logical Reasoning, and Section IV addresses Computer Awareness.

Section-I

General English: Synonyms and Antonyms, Sentence Completion, One word substitution, Spotting errors, Idioms and Phrases, Reading comprehension, Spelling test and Cloze test.

General Knowledge: History, Geography, Indian Economy, Indian Polity, General knowledge.

Section-II

Mathematics: Complex numbers, Matrices and Determinants, Permutations and Combinations, Definite integration and Applications, Binomial theorem, Probability, Trigonometry, Differential equations, Vector algebra, Properties of triangles and inverse trigonometric functions, Sequences and Series, Limits, continuity, and Differentiability, Indefinite integration, Ratio and proportion.

Measure of Central Tendency: Mean, Median, and Mode.

Section-III

Logical Reasoning: Analogy Test, Series Test, Coding and Decoding, Analytical Reasoning, Blood Relations, Data sufficiency, Eligibility Tests, Statements and Products, Word formation, Syllogism, Seating arrangements, Direction sense test, Causes, Assertion, and Reason, Venn Diagram, Cube and Dice, Image Test, Paper folding and paper cutting, Formation of figures and Embedded figures, Eligibility Test.

Section-IV

Computer Awareness: Computer Basics: History and Organization of a computer, Central Processing Unit (CPU), input/output devices, computer memory devices.

Data Representation: Representation of characters, integers and fractions, binary and hexadecimal representations, binary arithmetic: addition, subtraction, multiplication, division.

Windows Operating Environment- Features of MS – Windows, Control Panel, Taskbar, Desktop, Windows Application, Icons, Windows Accessories, Notepad, Paintbrush., Internet.