**N.C. AUTONOMOUS COLLEGE, JAJPUR TOWN, JAJPUR**

 **DEPARTMENT OF SELF-FINANCING STUDIES**

 **ENTRANCE TEST SYLLABUS**

 **(FOR THE COURSES BCA AND M.Sc. COMPUTER SCIENCE)**

1. **GENERAL ENGLISH**:

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| Basic English grammar |
| Tenses |
| Articles |
| Adjectives |
| Prepositions |
| Conjunctions |
| Verb-noun agreement and other parts of speech |

1. **QUANTITATIVE APTITUDE AND REASONING**:

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| --- |
| Ratios |
| Percentages |
| Powers |
| Exponents and logarithms |
| Permutations and combinations |
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| Mensuration and Geometry |
| Profit and Loss |
| Probability |
| Series |
| Ranks |
| Direction |
| Arrangement |
| Coding ,decoding |
| Syllogism and statement conclusion |
| Mirror images |
| Figure formation |

1. **+2 LEVEL MATHEMATICS**

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|  |
| Relation and Functions |
|  |
| Algebra(Matrices, Determinant) |
| Calculus |
| Vectors and Three-Dimensional Geometry |
| Linear Programming |
| Probability |
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1. **COMPUTER GENERAL AWARENESS AND TECHNOLOGY**