



AMITY UNIVERSITY
 ——— UTTAR PRADESH ———

FORMAT FOR COURSE CURRICULUM

Course Title: Aptitude and Reasoning Ability

Course Code:

Credit Units: 2

| L | T | S | SW/ FW | P | TOTAL CREDIT UNITS |
|---|---|---|-----------|---|--------------------------|
| 2 | - | - | - | - | 2 |

Course Objectives: To enhance the employability skills of students. It aims to improve aptitude, problem solving skills, logical and verbal reasoning of the student.

Pre-requisites: NIL

Course Contents/Syllabus:

| | Weightage (%) |
|---|---------------|
| Module I : Quantitative Ability Descriptors/Topics Number Systems, LCM and HCF, Percentages, Profit, Loss and Discount, Interest (Simple and Compound), Speed, Time and Distance, Time and Work, Averages, Ratio and Proportion, Progressions (Sequences & Series), Permutation and Combination, Probability, Set Theory, Mixtures and Allegations, Geometry, Mensuration | 25% |
| Module II: Data Interpretation Descriptors/Topics Tables, Column Graphs, Bar Graphs, Line Charts, Pie Chart, Venn Diagrams, Caselets | 20% |

| | |
|--|------------|
| Module III : Logical Reasoning | 20% |
| Descriptors/Topics Number and Letter Series, Calendars, Clocks, Cubes, Venn Diagrams, Binary Logic, Seating Arrangement, Logical Sequence, Logical Matching, Logical Connectives, Syllogism, Blood Relations | |
| Module IV : Verbal Ability | 15% |
| Descriptors/Topics Vocabulary Based (Synonyms Antonyms), English Usage or Grammar, Sentence Correction, Primary meanings of words, Secondary shades of meaning, Usage, Idioms and Phrases, Antonyms, Related words, Subject-Verb Agreement, Use of Modifiers, Parallel construction, Redundancy, Phrasal Verbs, Use of Articles, Prepositions, Fill in the blanks, Cloze Passage, Analogies or Reverse Analogies, Jumbled Paragraph, Meaning-Usage Match, Summary Questions, Verbal Reasoning, Reading Comprehension | |
| Module V: Verbal Reasoning | 20% |
| Descriptors/Topics Identify relationships or patterns within groups of words or sentences. | |

Student Learning Outcomes:

1. The students should be able to apply the learning in different competitive exams/entrance exams for placement/higher studies.

Pedagogy for Course Delivery:

1. Lecture containing the tips and tricks for solving quantitative aptitude, verbal and non-verbal reasoning.
2. Solution of previous year question papers of industry placement to be used as case study/discussion to demonstrate the application of theory taught.

Assessment/ Examination Scheme:

| Theory L/T (%) | Lab/Practical/Studio (%) |
|----------------|--------------------------|
| 100% | - |

Theory Assessment (L&T):

| Continuous Assessment/Internal Assessment | | | | | End Term Examination |
|---|------------|-----------------------|------------------------------------|------------|-----------------------|
| Components (Drop down) | Attendance | Quiz-I (Quantitative) | Quiz-II (Logical Verbal Reasoning) | CLASS QUIZ | Objective based paper |
| Weightage (%) | 5 | 7 | 8 | 10 | 70% |

Lab/ Practical/ Studio Assessment:

| Continuous Assessment/Internal Assessment | | | | | End Term Examination |
|---|--|--|--|--|----------------------|
| Components (Drop down) | | | | | |
| Weightage (%) | | | | | |

Text & References:

Agarwal. R.S – “Quantitative Aptitude for Competitive Examinations,” S.Chand Limited

Agarwal. R.S – “A Modern Approach to Verbal & Non-Verbal Reasoning”, S.Chand Limited

Abhijit Guha, “Quantitative Aptitude for Competitive Examinations”, Tata McGraw Hill

Edgar Thrope, “Test Of Reasoning for Competitive Examinations”, Tata McGraw Hill

Arun Sharma, “Data Interpretation and logical reasoning for the CAT”, Tata McGraw Hill