

OSMANIA UNIVERSITY COLLEGE FOR WOMEN, KOTI, HYDERABAD
B.Sc III YEAR SYLLABUS MATHEMATICS(w.e.f. academic year 2022-23)
LOGICAL REASONING AND QUANTITATIVE APTITUDE
Generic Elective-V(A)

Theory: 4 credits and Tutorials: 0 credits
Theory: 4 hours /week and Tutorials: 1 hours /week

Objective: Students learn problem solving skills which will enable them to face various competitive examinations at the state and national level.

Outcome: The students will be exposed to a variety of problems on reasoning and aptitude.

Unit- I VERBAL REASONING

Series Completion: Number series , Alphabet series , Alpha numeric series , continuous pattern series

Analogy: Simple analogy , Double analogy , Word analogy , Number analogy

Coding and Decoding: Letter coding , Direct letter coding , Number/symbol coding , Matrix coding

Blood Relations: Descriptive relations , Relation puzzles

Unit- II LOGICAL DEDUCTION

Logic: Two premise arguments, three premise arguments , Statements-arguments , Statements-assumptions , Statements- courses of action , Statements-conclusions

Unit- III ARITHMETICAL ABILITY-I

Number system , Averages , Problems on Ages , Profit and Loss , Ratio and Proportion

Unit- IV ARITHMETICAL ABILITY-II

Partnership , Time and work , Time and Distance , Simple interest , Compound Interest

Text Books:

1. Dr R.S. Aggarwal -A Modern Approach to Verbal and Non verbal Reasoning
S.Chand
2. Dr R.S. Aggarwal -Quantitative Aptitude for Competitive Examinations
S.Chand