

PEA306:ANALYTICAL SKILLS-II

L:2 T:1 P:0 Credits:3

Course Outcomes: Through this course students should be able to

- observe the basic concepts of reasoning and quantitative aptitude
- apply the learned concepts to solve the company specific reasoning and quantitative aptitude tests
- analyze the problem and use logic to interpret and handle different situations

Unit I

Time and work : problems based on time and work, formulae, computation of work done together, efficiency based problems, men, women, and children based problems, wages based work problems

Pipes and cistern : inlet-outlet, part of tank filled, time based problems

Unit II

Time, speed and distance : concept of time, speed and distance, conversion of units and proportionality, average speed concept

Problem on trains : relative speed concept & application

Boats and streams : downstream and upstream

Unit III

Syllogism : logical venn diagrams, ability to relate a certain given group diagrammatically

Arithmetical reasoning : venn diagrams based problems

Number ranking test : number test and ranking test problems

Unit IV

Mensuration : problems on surface area and volume of cube, cuboid, problems on surface area and volume of sphere and hemisphere, problems on surface area and volume of cone and cylinder

Height and distance : problem based on height and distance

Unit V

Blood relations : relation based puzzle, coded relations

Calendar : basic concept of calendar, date and days, finding the exact day

Clocks : concept of clock, facts and formulae, practice problems

Unit VI

Data interpretation : basics of data interpretation and its types, tabulation, bar graph, pie chart, and line graph

Data sufficiency : check sufficiency of data

Text Books:

1. A MODERN APPROACH TO VERBAL & NON-VERBAL REASONING by DR. R. S. AGGARWAL, S Chand Publishing

2. QUANTITATIVE APTITUDE by DR. R. S. AGGARWAL, S Chand Publishing

References:

1. ANALYTICAL REASONING by MK PANDAY, BANKING SERVICE CHRONICLE

2. MAGICAL BOOK ON QUICKER MATHS by M.TYRA, BANKING SERVICE CHRONICLE