

PEA306:ANALYTICAL SKILLS-II

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

Course Outcomes: Through this course students should be able to

CO1 :: apply the concepts learned in ratio and LCM to solve the problems related to time & work , pipes & cisterns

CO2 :: interpret diagrams and syllogistic statements to classify logical relationships

CO3 :: apply the concepts of clocks, calendar and mensuration to solve quantitative problems

CO4 :: analyze problems on time, speed and distance to differentiate between train and boats & streams based scenarios

CO5 :: apply the analytical reasoning concepts learnt to solve linear and circular seating arrangement based problems

CO6 :: interpret the data to solve the problems on table chart, pie chart, bar chart, line chart and sufficiency of data

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 cisterns : inlet-outlet, part of tank filled, time based problems

Unit II

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

Number ranking test : number test and ranking test problems

Unit III

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

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

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

Unit IV

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 V

Height and distance : problem based on height and distance

Analytical reasoning : linear seating arrangement, circular seating arrangement

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. ANALYTICAL SKILLS - II by S.CHAND EXPERTS, 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

