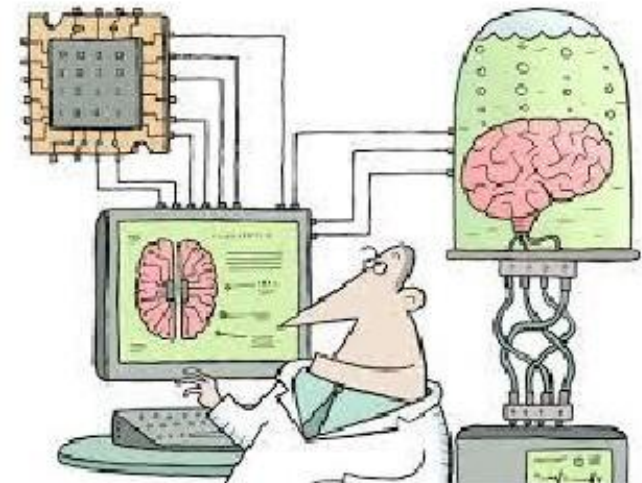


PEA308 Advance Analytical Skills II

Lecture #0 Breaking the ice



Course Details

- LTP - 2 1 0 [Two lectures, One Tutorial per week]
- **Text Book**
 - ✓ Quantitative Aptitude by Dr.R S Aggarwal
- **Reference Book**
 - ✓ Quantitative Aptitude by M Tyra
 - ✓ Quantitative Aptitude by Abhijit Guha

Course Assessment Model

Marks break up

• Attendance	15
• CA	30
• MTE (MCQ)	15
• ETE (MCQ)	40
• Total	<hr/> 100

- MTE & ETE to be done on OMR sheets
- All tests will be based on MCQ.

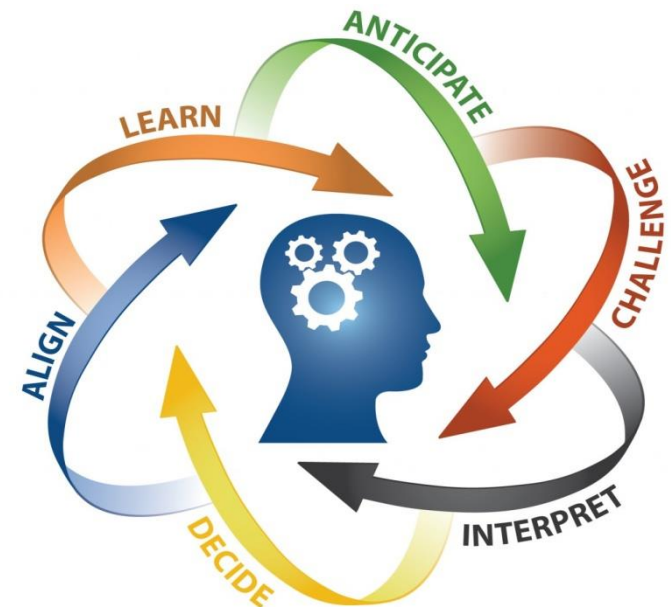
Course Outcomes

- CO1 :: apply the concepts learned to solve the problems related to Efficiency of the person
- CO2 :: select an appropriate approach for solution of time, speed and distance related problems
- CO3 :: learn the various logical reasoning techniques to reach appropriate conclusions and solve the question related to logarithm and ranking.
- CO4 :: use mathematical concepts learned to solve problems of mensuration, clock and calendar
- CO5 :: understand the concepts of applications of trigonometry to solve competition based questions
- CO6 :: remember various fast calculation techniques for quick and accurate data interpretation



Let us look around...

Why every organization takes Quantitative Aptitude Tests before hiring any future employee...



Right Decision Making

- Mental Alertness
- Ability to quickly interpret data
- Establish logical relationship
- Arrive at the correct conclusions
- Make the right judgment

Organizations recruit
people who have
*Quick Mental
Abilities.*

How you will make your
mental ability Quick...!!!

Quick = Tricks

In climbing a 21 metre long round pole, a monkey climbs 6 metres in the first minute and slips 3 metres in the next minute. How many minutes would the monkey take to reach the top of the pole?

-
- ✓ 1 minute...???
 - ✓ 2 minutes...???
 - ✓ 5 minutes...???
 - ✓ 10 minutes...???



Well...!!! It will not take more than
30 SECONDS

And What about this....?

On which day of the week
INDIA got independence?

15 Aug 1947!!

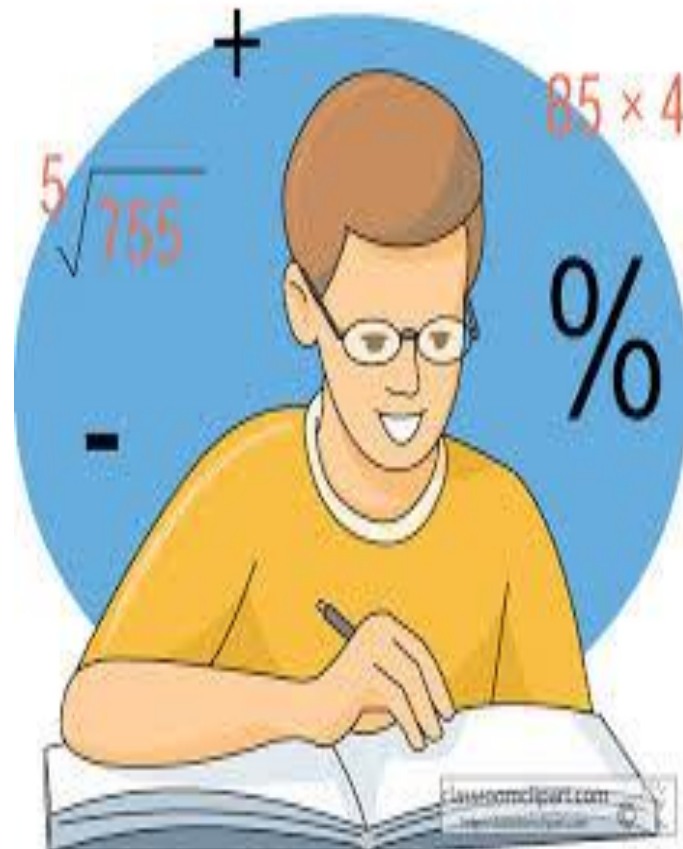
-
- ✓ 5 minute...???
 - ✓ 10 minutes...???
 - ✓ 15 minutes...???
 - ✓ 20 minutes...???



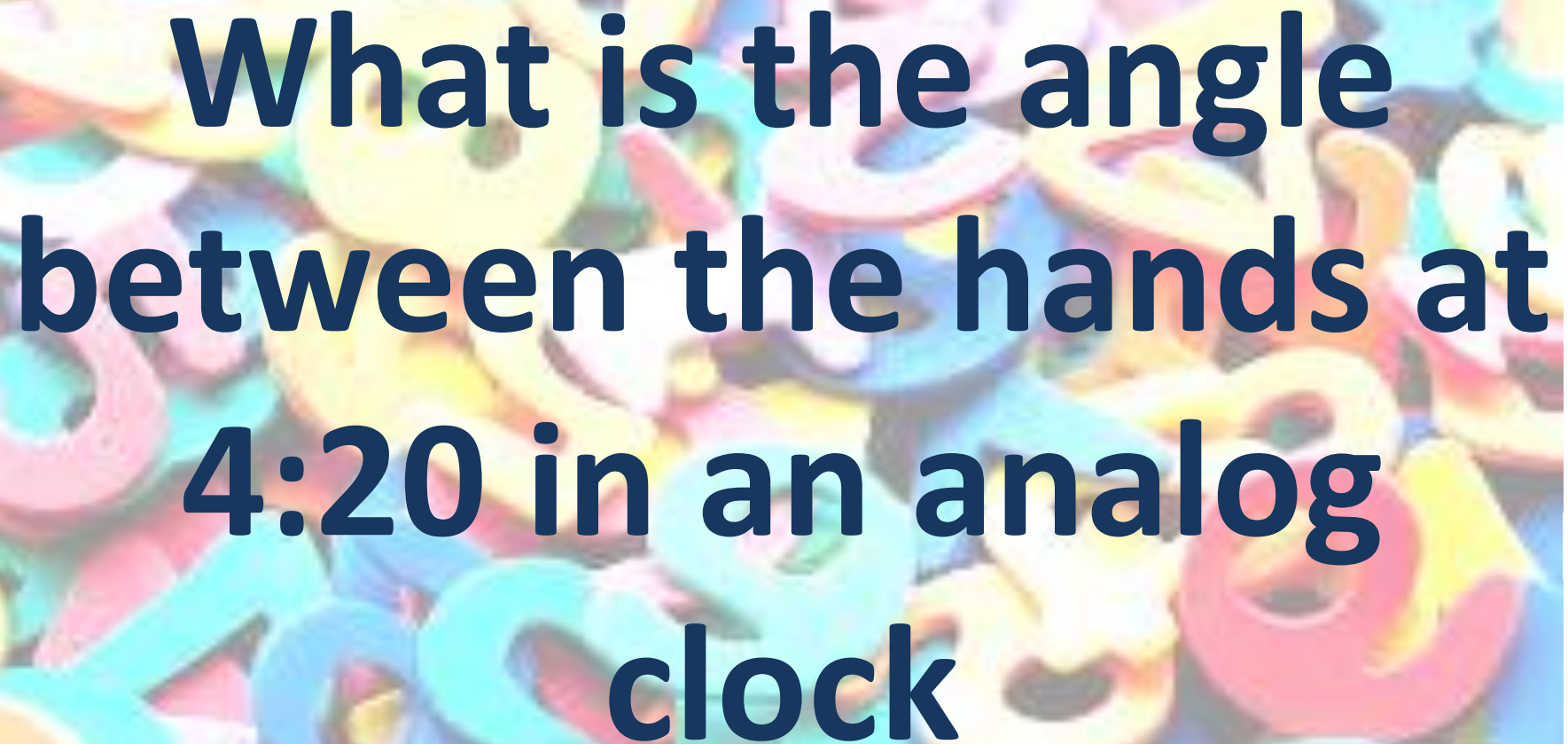
Again...!!! It will not take more than
30 SECONDS.

The course contents

- Efficiency
- Inlet and Outlet of pipes
- Time, speed and distance
- Relative speed
- Object on moving body
- Syllogism
- Logarithm
- Number ranking and time sequence
- Surface area and volume
- Calendar
- Clocks
- Applications of trigonometry
- Coded Inequalities
- seating arrangement
- Data interpretation
- Data sufficiency



What do we need to know?



**What is the angle
between the hands at
4:20 in an analog
clock**

What do we need to know?

This course PEA308 : Advanced Analytical Skills-II

- Ability to efficiently solve the company specific Quantitative Aptitude Tests.
- Ability to prioritize and manage Time.
- Ability to efficiently analyze data.



***Lets Get
Started!***

Next Class: TIME AND WORK

