



**St. MARTIN'S ENGINEERING COLLEGE**  
**UGC Autonomous**  
**NBA & NAAC A+ ACCREDITED**  
Dhulapally, Secunderabad - 500100.



## **TRAINING AND PLACEMENT DEPARTMENT**

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### **Campus Recruitment Training for B. Tech IV year Students @ SMEC**

It is **St. Martin's Engineering College's** customary to conduct **Campus Recruitment Training (CRT)** every year for B. Tech III year students to enhance their skills in alignment with industry requirements. SMEC offers top-notch training, utilizing the Knowledge of experienced industry professionals. This training covers essential areas such as Coding proficiencies demanded by Multinational Corporations, Communication skills, Logical thinking, Problem solving, Interview preparation, Resume building and understanding employer expectations.

The CRT (Quantitative Aptitude and Verbal Reasoning) sessions are conducted for all Departments, as follows:

#### **Topics Covered:**

1. Ages and various problems on ages topic and averages
2. Puzzle Test, problems on seating arrangement, on different arrangements like relations, word arrangement, number sequence
3. Ratio and Proportions and problems on it

**Day:** Thursday

**Date:** 24-10-2024

**Timings:** 6:30 PM to 8:30 PM

**Venues:** Online (Microsoft Teams)

In today's online session, trainers covered a range of topics, starting with age-related problems and averages, where students practiced various problem types to strengthen their understanding. They then moved to puzzle tests, including complex seating arrangement problems based on relationships, word arrangements, and number sequences, helping students enhance their logical reasoning skills. The session also introduced ratio and proportion, with example problems to illustrate practical applications, giving students a well-rounded approach to these fundamental mathematical concepts. Day 4 ended on a high note, with students fully engaged and faculty members providing careful oversight.

## Talks by Industry Experts to the Students:

**Batch 1\_CRF Phase 8**

The sum of the ages of a mother and daughter after 5 years is 60 years. Also, 5 years ago, the mother's age was 7 times the age of the daughter. The present ages of the mother and daughter respectively are:

A. 35 years, 15 years  
 B. 38 years, 12 years  
 C. 40 years, 10 years  
 D. 42 years, 8 years

Handwritten solution:

$$M + 5 + d + 5 = 60$$

$$M + d = 50 \rightarrow (1)$$

$$M - 5 = 7(d - 5)$$

$$M - 5 = 7d - 35$$

$$M - 7d = -30 \rightarrow (2)$$

$$M - 7d = -30$$

$$M + d = 50$$

$$7d = 780 \Rightarrow d = 10$$

Final result:  $M = 40, d = 10$

**Batch 1: 24-10-2024, 6:30 PM – 08:30 PM**

**Batch 2\_CRF Phase 8**

**Model 2**

7. If  $A : B = 8 : 3$ ,  $B : C = 4 : 1$  and  $C : D = 5 : 2$  then  $B : D$  is

(a) 1 : 10 (b) 11 : 15 (c) 15 : 11 (d) 10 : 1

Handwritten solution:

$$A : B : C = 2 : 3 : 6$$

$$C : D = 5 : 2 \Rightarrow A : D = 1$$

$$A : B : C = 10 : 15 : 18$$

$$4 : 6 : 10 : 25$$

$$4 : 25$$

**Batch 2: 24-10-2024, 6:30 PM – 08:30 PM**

**Batch 3\_CRF Phase 8**

Chennai, Hyderabad, Bangalore, Kolkata, Chandigarh and Jaipur, each one on a different day of the week. R left for Jaipur on Monday. On the last day of the week the person left for Bangalore. T left the next day of P who left for Chandigarh and on the previous day of W. S left for Kolkata on Friday. Q did not leave for either Hyderabad or Bangalore and W left for Delhi.

5. On which day of the week did Q leave ?  
 1) Sunday 2) Saturday 3) Wednesday 4) Data inadequate

6. Who left for Bangalore ?  
 1) T 2) P 3) V 4) Data inadequate 5) None of these

7. On which day of the week did T leave ?  
 1) Tuesday 2) Thursday 3) Sunday 4) Wednesday 5) None of these

8. Which of the following combinations of person-place is NOT CORRECT?  
 1) R - Jaipur 2) R - Chandigarh 3) T - Hyderabad 4) V - Bangalore 5) All are correct

9. Who left of Tuesday ?

Handwritten solution:

Person	Day	Place
R	Sun	Jaipur
T	Mon	Chandigarh
W	Tue	Kolkata
V	Wed	Bang
P	Thu	Chandigarh
Q	Fri	Kolkata
S	Sat	Bang

**Batch 3: 24-10-2024, 6:30 PM – 08:30 PM**