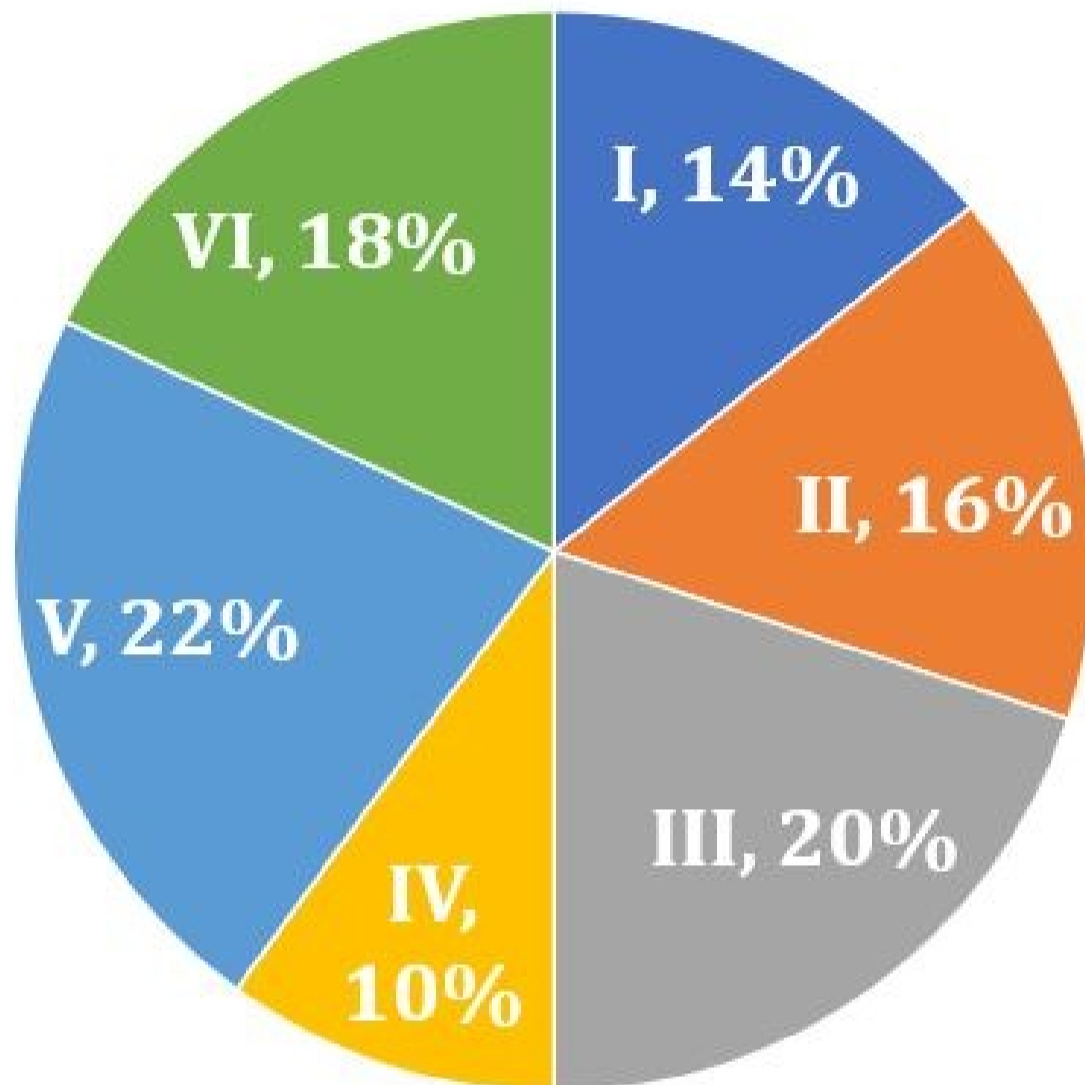# Banking Daily Quiz January 18

1. **Study the following Pie chart carefully and answer the following questions. Pie chart given below shows the percentage distribution of appeared students in different shifts.**

Total number of student appeared=5500

A. **If next day appeared students for exam in shift II is 20% more than appeared students in shift III, then find the total appeared students in shift II next day?**

A **1320**

B 1230

C 1420

E None of these

Solution

Required total $= \frac{120}{100} \times 5500 \times \frac{20}{100} = 1320$

B. **What is the difference of students appeared in shift II and VI together to students appeared in shift V and IV?**

A 130

B 90

C 100

D **110**

E 120

Solution

Required difference

$= \frac{34-32}{100} \times 5500 = 110$

C. **What is the central angle of the students appeared in shift III and V**

together?

A   142.8

B   **151.2**

C   172

D   92

E   178.2

Solution

Required central angle

$$= \frac{(22+20)}{100} \times 360 = 151.2$$

D. **What is the average number of students appeared in exam in shift III, V and VI?**

A   900

B   1200

C   1500

| D | **1100** |

| E | 1300 |

Solution

Required average

$$= \frac{1}{3} \times \frac{20+22+18}{100} \times 5500 = 1100$$

E. **What is the ratio of students appeared in shift II and IV together to students appeared in shift VI and III?**

| A | **13 : 19** |

| B | 11 : 13 |

| C | 13 : 17 |

| D | 21 : 23 |

| E | None of these |

Solution

Required ratio = (16+10):(18+20)=26 :38 = 13 : 19

F. **Total number of appeared students in shift I and III is what percent**

more or less than number of appeared students in shift V and VI?

A. 12%

B. 10%

C. **15%**

D. 20%

E. 25%

Required percentage $= \frac{40-34}{40} \times 100 = 15\%$

2. **Study the following table carefully and answer the following questions. Table given below shows the data regarding five company.**

Company	Total member	% Registered members
A	210	30%
B	190	20%
C	180	50%
D	230	30%

Company	Total member	% Registered members
E	150	40%

A. What is the ratio of the registered members in company E to not registered members in company C?

A 1 : 1

B **2 : 3**

C 3 : 5

D 3 : 4

E None of these

Solution

Required ratio

$$= \frac{150 \times \frac{40}{100}}{180 \times \frac{50}{100}} = \frac{60}{90} = 2 : 3$$

B. What is the average registered members in company C and company E?

A **75**

| B | 65 |

| C | 55 |

| D | 85 |

| E | 95 |

Solution

Required average

$$= \frac{1}{2} \times \left(150 \times \frac{40}{100} + 180 \times \frac{50}{100}\right) = 75$$

C. **Members who are not registered in company B is what percent more or less than the registered members in company A?**

| A | **141%** |

| B | 162% |

| C | 154% |

| D | 121% |

| E | 241% |

Solution

Required percentage

$$= \frac{190 \times \frac{80}{100} - 210 \times \frac{30}{100}}{210 \times \frac{30}{100}} \times 100$$

$$= \frac{152 - 63}{63} \times 100 = 141\%$$

D. **What is the difference between the registered members in company A and D together to members who are not registered in company C and E together?**

A	40

B	36

C	**48**

D	42

E	54

Solution

Required difference

$$= \left(180 \times \frac{50}{100} + 150 \times \frac{60}{100}\right) - \left(210 \times \frac{30}{100} + 230 \times \frac{30}{100}\right)$$

$$= (90 + 90) - (63 + 69) = 48$$

E. **If there is another company X in which number of registered members is 50% more than registered members in company B, and members who are not registered in company X is 80%, then find the total members in company X?**

A	**285**

B	265

C	270

D	290

E	None of these

Solution

Registered members in X $= 190 \times \frac{20}{100} \times \frac{150}{100} = 57$

Required total $= \frac{100}{20} \times 57 = 285$

F. **Non-registered members in company D is what percentage of the total members in company A and B together?**

A	50%

B	32.25%

C	42.50%

D	**40.25%**

E	62.5%

Solution

Required percentage

$$=\frac{230 \times \frac{70}{100}}{190+210} = 40.25 \ \%$$