Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Mixed Chart Quiz 38

Directions : Study the following pie and table chart carefully and answer the questions given beside.

The pie chart given below gives the information about the percentage of the number of students specializing in four different courses in the XYZ University. In each specialization, the number of boys is 50% more than that of girls. The table given below gives the information about the percentage of total number of girls of the respective course and that of the total number of boys live in the hostel campus.

Total Number of Students in XYZ university = 54000

Course	The percentage of the total number of girls live in the hostel campus	The percentage of the total number of boys live in the hostel campus
Marketing	30	40
Human resource	40	50
Finance	45	15
Digital Marketing	60	70

1. The number of boys in the university is how much more than that of Girls?

A. 10800   B. 11200   C. 10240   D. 11600   E. None of these

2. The total number of boys of finance course who live in the hostel campus in how much more than/less than that of the number of girls of Marketing course who live in the hostel campus?

A. 920   B. 720   C. 900   D. 810   E. None of these

3. What is the ratio of the total number of girls of Human resource course who don't live in the hostel campus to the total number of boys of marketing course who live in the hostel campus?

A. 1241 : 1944   B. 17 : 21   C. 2 : 3   D. 16 : 27   E. None of these

4. The total number of girls in finance course who live in the Hostel campus is how much percentage of the total number of boys in human resource course who live in the hostel campus?

A. $46\frac{2}{3}$ %   B. $41\frac{2}{3}$ %   C. $43\frac{1}{3}$ %   D. $51\frac{2}{3}$ %   E. None of these

5. The number of girls of Marketing and Digital marketing together who lives in the hostel campus is how many less than that of the number of boys of Human resource and finance together who don't live in the hostel campus?

A. 8645   B. 12488   C. 9558   D. 7468   E. None of these

Correct Answers:

1	2	3	4	5
A	D	C	A	C

Explanations:

1. Let the number of girls in each specialization is 2x then the number of boys = 50% more than 2x = 150% of 2x = 3x

The number of students in marketing = 30% of 54000 = 16200

The number of boys = $\dfrac{3 \times 16200}{5}$ = 9720

The number of girls = $\dfrac{2 \times 16200}{5}$ = 6480

The number of students in Human resource = 20% of 54000 = 10800

The number of boys = $\dfrac{3 \times 10800}{5}$ = 6480

The number of girls = $\dfrac{2 \times 10800}{5}$ = 4320

The number of students in finance = 35% of 54000 = 18900

The number of boys = $\dfrac{3 \times 18900}{5}$ = 11340

The number of girls = $\dfrac{2 \times 18900}{5}$ = 7560

The number of students in Digital Marketing = 15% of 54000 = 8100

The number of boys = $\dfrac{3 \times 8100}{5}$ = 4860

The number of girls = $\dfrac{2 \times 8100}{5}$ = 3240

The required answer = (9720 + 6480 + 11340 + 4860) − (6480 + 4320 + 7560 + 3240) = 32400 − 21600 = 10800

Hence, option A is correct.

2.

Course	The number of girls live in the hostel campus	The number of boys live in the hostel campus
Marketing	30% of 6480 = 1944	40% of 9720 = 3888
Human resource	40% of 4320 = 1728	50% of 6480 = 3240
Finance	20% of 7560 = 1512	10% of 11340 = 1134
Digital Marketing	60% of 3240 = 1944	70% of 4860 = 3402

The total number of boys of finance course who live in the hostel campus = 1134

The number of total number of girls of Marketing course who live in the hostel campus = 1944

The required answer = 1944 − 1134 = 810

Hence, option D is correct.

3. The total number of girls of Human resource course who don't live in the hostel campus = 4320 − 1728 = 2592

The total number of boys of Marketing course who live in the hostel campus = 3888

The required ratio = 2592 : 3888 = 2 : 3

Hence, option C is correct.

4. The total number of boys of human resource course = 3240

The total number of girls of finance course = 1512

The reqd. % = $\dfrac{1512 \times 100}{3240} = \dfrac{700}{15} = \dfrac{140}{3} = 46\dfrac{2}{3}\%$

Hence, option A is correct.

5. The number of girls of Marketing and Digital marketing together who lives in the hostel campus = 1944 + 1944 = 3888

The number of boys of Human resource and finance together who don't live in the hostel campus = (6480 − 3240) + (11340 − 1134) = 3240 + 10206 = 13446

The required answer = 13446 − 1944 − 1944 = 9558

Hence, option C is correct.