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The Question Bank

DI Info Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

Directions: Study the following information carefully and answer the questions given beside.

There are 5600 students in KIIT University in the academic year 2017. The ratio of the boys to the girls in the University is 4 : 3. All the students are enrolled in different extra-curricular activities (Singing, Dancing, Debating, Painting and Athletics) and one student is enrolled in only one extra-curricular activity. The number of boys enrolled in the Painting is 612. The ratio of the number of boys who enrolled in Singing to the number of boys who enrolled in Dancing is 72 : 89. 32% of the students are enrolled in Athletics. The number of boys enrolled in Debating is 12.5% to the total number of boys. The number of girls enrolled in Athletics is 570 which is 150 less than the number of girls enrolled in Dancing. The number of girls enrolled in Singing is 186 more than the number of boys enrolled in the same activity. The total number of students enrolled in Painting is 816.

1. **The difference in the number of boys and girls who are enrolled in Painting is what percentage of the total number of students who are enrolled in Debating?**

A. 45%   B. 59%   C. 65%   D. 55%   E. 71%

2. **Find the percentage of students of the university who are enrolled in Singing.**

A. 14%   B. 24%   C. 22.25%   D. 18.75%   E. 17.25%

3. **Find the ratio of the number of boys enrolled in Dancing to the number of girls enrolled in the same activity.**

A. 7 : 11   B. 117 : 139   C. 89 : 120   D. 57 : 71   E. None of these

4. **The total number of girls in Athletics is what percentage of the total number of students in Athletics?**

A. 22%   B. 28%   C. 32%   D. 39%   E. 45%

5. **Find the number of girls who are enrolled in Debating.**

A. 304   B.288   C.324   D. 372   E. 254

Correct Answers:

1	2	3	4	5
B	D	C	C	B

Common explanation :

Total number of students = 5600

Number of boys = $\frac{4}{7} \times 5600 = 3200$

Number of girls = 5600 – 3200 = 2400

Number of boys enrolled in Painting = 612

Number of students enrolled in Athletics = 32% of 5600 = 1792

Number of girls enrolled in Athletics = 570
Number of boys enrolled in Athletics = 1792 – 570 = 1222
Number of boys enrolled in Debating = 12.5% of 3200 = 400
Number of girls enrolled in Dancing = 570 + 150 = 720

Number of students enrolled in Painting = 816

Number of girls enrolled in painting = 816 – 612 = 204

Number of boys enrolled in Singing and Dancing together = 3200 – (400 + 612 + 1222) = 966

Number of boys enrolled in singing = $\frac{72}{72 + 89} \times 966 = 432$

Number of girls enrolled in singing = 432 + 186 = 618

Number of boys enrolled in dancing = 966 – 432 = 534

Number of girls enrolled in debating = 2400 – (618 + 720 + 204 + 570) = 288

Activity	Number of Boys	Number of Girls	Total number of students
Singing	432	618	1050
Dancing	534	720	1254
Debating	400	288	688
Painting	612	204	816
Athletics	1222	570	1792

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Answers :

1. Following the common explanation, we get

Difference in the number of boys and girls who are enrolled in Painting = (612 – 204) = 408

So, reqd. percentage = $\dfrac{408 \times 100}{688}$ = 59.3 ≈ 59%

Hence, option B is correct.

2. Following the common explanation, we get

Reqd. percentage = $\dfrac{1050}{5600}$ × 100 = 18.75%

Hence, option D is correct.

3. Following the common explanation, we get

Required ratio = 534 : 720 = 89 : 120

Hence, option C is correct.

4. Following the common explanation, we get

570 = $\dfrac{x}{100}$ × 1792

Therefore, reqd. percentage = $\dfrac{570 \times 100}{1792}$ = 31.8 ≈ 32%

Hence, option C is correct.

5. Following the common explanation, we get

The required number of girls who are enrolled in Debating = 288

Hence, option B is correct.

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