Bipin Nambiar
(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
Kuldeep Yadav
(SBI PO 2018)
Rajat Saxena
(IBPS Clerk 2018)
Anupam Tyagi
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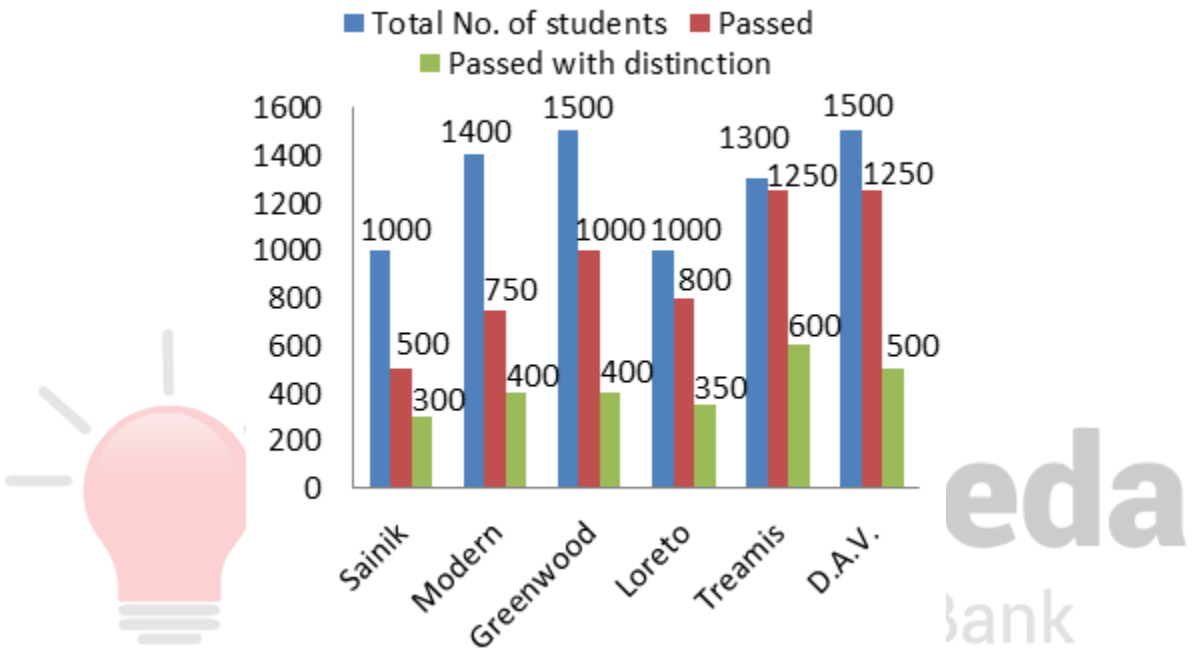
DI Bar Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Bar Chart No.68

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

The following graph shows the performance of students of 6 schools in a board exam.



Number of students passed = number of students passed with distinction + number of students passed without distinction

1. In how many schools is the pass percentage at least 80?

A. 2 B. 3 C. 4 D. 1 E. None of these

2. In which of the following schools, the ratio of the number of students passing with distinction to those failing is least?

A. Modern B. Greenwood C. Sainik D. Treamis E. D.A.V.

3. In which of the following schools, the percentage of students passing without distinction is least?

A. Modern B. Greenwood C. Sainik D. Treamis E. D.A.V.

4. Considering all the six schools, what percent of the students have passed with distinction?

A. 33.11% B. 32.21% C. 34.22% D. 35.63% E. 37.54%

5. What is the ratio of the total number of students who failed to those who passed, in all the six schools together?

A. 43 : 121 B. 21 : 37 C. 43 : 111 D. 21 : 38 E. None of these

Correct Answers:

1	2	3	4	5
B	C	C	A	C

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Explanations :

1. In Sainik, Modern and Greenwood the pass percentage is less than 80%.

In Treamis, 1250 > (80% of 1300) and in D.A.V. 1250 > (80% of 1500).

And also in Loreto it is 800 = 80%

In Loreto, Treamis and D.A.V. the pass percentage is at least 80%.

Hence, option B is correct.

2. The ratio for different schools is as follows:

Modern = $\frac{400}{650} = \frac{8}{13}$

Greenwood = $\frac{400}{500} = \frac{4}{5}$

Sainik = $\frac{300}{500} = \frac{3}{5}$

Treamis = $\frac{600}{50} > 1$

D.A.V. = $\frac{500}{250} > 1$

$\frac{3}{5}$ is the least.

Hence, option C is correct.

3. The values for different schools are:

Sainik = $\frac{200 \times 100}{1000} = 20\%$

Modern = $\frac{350 \times 100}{1400} = 25\%$

Greenwood = $\frac{600 \times 100}{1500} = 40\%$

Treamis = $\frac{650 \times 100}{1300} = 50\%$

D.A.V. = $\frac{750 \times 100}{1500} = 50\%$

Hence, option C is correct.

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4. The overall pass percentage with distinction

$$= \frac{300 + 400 + 400 + 350 + 600 + 500}{1000 + 1400 + 1500 + 1000 + 1300 + 1500} \times 100$$

$= 33.1\%$

Hence, option A is correct.

5. The total number of students who passed = (500 + 750 + 1000 + 800 + 1250 + 1250) = 5550

Total number of students = (1000 + 1400 + 1500 + 1000 + 1300 + 1500) = 7700

Therefore, The total number of students who failed = (7700 – 5550) = 2150

$$\text{Reqd. ratio} = \frac{2150}{5550} = \frac{43}{111}$$

Hence, option C is correct.

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