High Level Data Interpretation for IBPS PO, SBI PO, IBPS Clerk, 2019 | Free Study Material For Bank PO

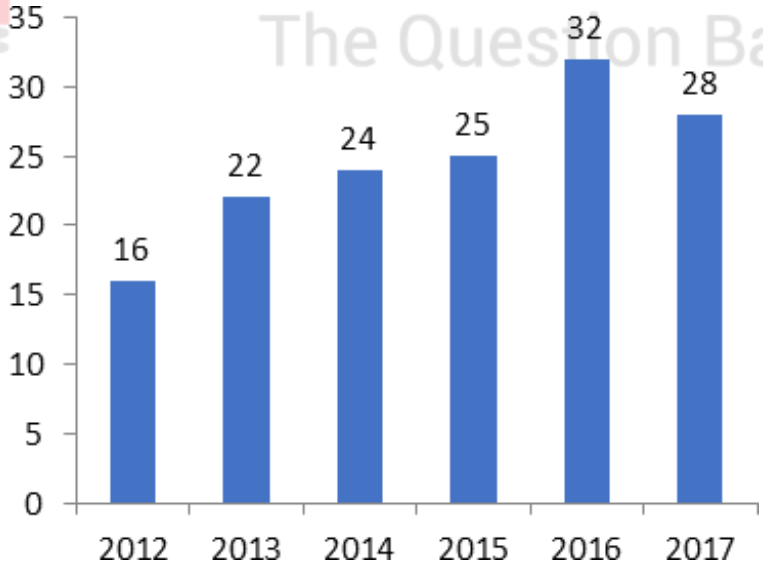
DI MIXED CHART NO 41

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

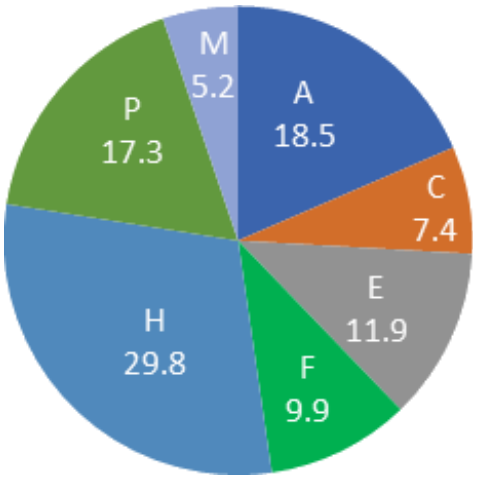
The bar graph gives the information about the approximate number of students, who graduated in a year, for 6 years (2012 – 2017). The pie chart gives the information about the percentage of the students who took the following 6 streams in graduation every year.

A = Arts, C = Commerce, E = Engineering, F = Finance, H = History, P = Physics, M = Maths

Number of students (in lakhs)



Percentage distribution of streams



1. By what percent is the number of students who graduated in finance stream in 2013 is more than or less than the number of students who graduated in commerce stream in 2015?

A. 17.73% more B. 17.73% less C. 18.83% more

D. 18.83% less E. 18.65% less

2. Find the difference between the sum of the number of students who graduated in commerce during the year 2012, 2013, and 2014 and the sum of the number of students who graduated in finance stream during the year 2015, 2016, and 2017.

A. 3.629 lakhs B. 4.527 lakhs C. 3.827 lakhs

D. 4.588 lakhs E. None of these

3. In 2013 the ratio of First Class Division holder(FCD) in different streams was A : C : E : F : H : P : M = 2 : 1 : 1 : 3 : 4 : 2 : 1 and the total number of students who scored FCD was 2.8 lakhs then how many percent of the engineering students had scored FCD?

A. 7.64% B. 6.43% C. 2.12%

D. 7.54% E. 7.60%

4. 25% of the students who graduated in between 2012 and 2017 had applied for SBI clerk 2017 examination but only 10% of them had cleared prelims. It was observed that 65% of those who had cleared prelims had bought SMARTKEEDA practice set then find how many of the students had bought SMARTKEEDA practice sets? (students, who cleared prelims exam were only those who graduated in between 2012 and 2017)

A. 2.14564 lakhs B. 2.14564 lakhs C. 2.0765 lakhs

D. 3.675 lakhs E. 2.38875 lakhs

5. The ratio of number of students in 2017 to that of in 2018 is likely to be 4 : 7 and the percentage share of students who will be graduated in finance is likely to increase by 9% then how many more students will be graduated in finance stream?

A. 6.489 lakhs B. 2.772 lakhs C. 9.261 lakhs

D. 11.993 lakhs E. None of these

Correct answers:

1	2	3	4	5
A	C	A	E	A

Explanations:

1.

Number of students who graduated in finance stream in 2013 = 9.9% of 22 lakhs = 2.178 lakhs

the number of students who graduated in commerce stream in 2015 = 7.4% of 25 lakhs = 1.85 lakhs

$$\text{Reqd. \%} = \frac{2.178 - 1.85}{1.85} \times 100 = \frac{32.8}{1.85}\% = 17.73\% \text{ more}$$

Hence, option A is correct.

2.

The sum of the number of students who graduated in commerce during the year 2012, 2013, and 2014 = 7.4% of 16 lakhs + 7.4% of 22 lakhs + 7.4% of 24 lakhs = 7.4% of 62 lakhs = 4.588 lakhs

the sum of the number of students who graduated in finance stream during the year 2015, 2016, and 2017 = 9.9% of 25 lakhs + 9.9% of 32 lakhs + 9.9% of 28 lakhs = 9.9% of 85 lakhs = 8.415 lakhs

Difference = 8.415 – 4.588 = 3.827 lakhs

Hence, option C is correct.

3.

A : C : E : F : H : P : M = 2 : 1 : 1 : 3 : 4 : 2 : 1, assume it A = 2X, C = X, E = X, F = 3X, H = 4X, P = 2X, M = X

According to question, the sum of the FCD holder 2x + x + x + 3x + 4x + 2x + x = 14x = 2.8 lakhs

So, the value of x = 0.2

Number of engineering students who scored FCD = x = 0.2 lakhs

In 2013, The number of students who graduated in engineering = 11.9% of 22 = 2.618 lakhs

percent of the engineering students had scored FCD

$$= \frac{0.2}{2.618} \times 100 = 7.64\%$$

Hence, option A is correct.

4.

Total number of students, who graduated in between 2012 and 2017 = 16 + 22 + 24 + 25 + 32 + 28 = 147 lakhs

Number of students who had applied for SBI clerk 2017 examination = 25% of 147 lakhs = 36.75 lakhs

Number of students who cleared prelims = 10% of 36.75 lakhs = 3.675 lakhs

Number of students who had bought SMARTKEEDA practice sets = 65% of 3.675 lakhs = 2.38875 lakhs

Hence, option E is correct.

5.

Number of students in 2017: Number of students in 2018 = 4 : 7

Assume, number of students in 2017 = 4x and, the number of students in 2018 = 7x

According to the question, number of students in 2017 = 4x = 28 lakhs

So, the value of x = 7 lakhs

Percentage share of students who graduated in Finance stream in 2017 = 9.9% = 9.9% of 28 = 2.772 lakhs

The number of students in 2018 = 7x = 7 × 7 = 49 lakhs

According to the question, the percentage share of students who will be graduated in finance is likely to increase by 9% = (9 + 9.9) % = 18.9%

In 2018, the number of students, who graduated in finance stream = 18.9% of 49 = 9.261 lakhs

Number of more students who will be graduated in finance stream in 2018 = (9.261 – 2.772) lakhs = 6.489 lakhs

Hence, option A is correct.