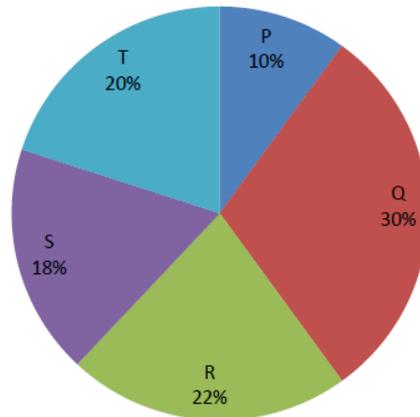


SALEM INSTITUTE OF BANKING

DATA INTERPRETATION

NAME: _____ DATE: _____ TIME: 30 min, MARKS: 30

Directions (1 - 5): The following pie chart represents the percentage of people (male + female) in five companies P, Q, R, S and T



The following table gives the percentage of female with respect to male in each company.

Company	Percentage of female with respect to male
P	150%
Q	50%
R	83.33%
S	125%
T	33.33%

1) Find by how much percent the male in company P is more or less of the male in company Q.

- a) 80% more b) 4% more c) 400% less d) 80% less e) 400% more

2) It is found that 15 percent of female in company Q are graduates. If the total number of males working in company R is 144, then find the number of females in company Q who are non graduates.

- a) 18. b) 102. c) 204. d) 36. e) 85

3) Find the ratio of total number of males to total number of females working in all the five companies

- a) 59: 41 b) 3: 1 c) 43: 57 d) 2: 3 e) 51: 49

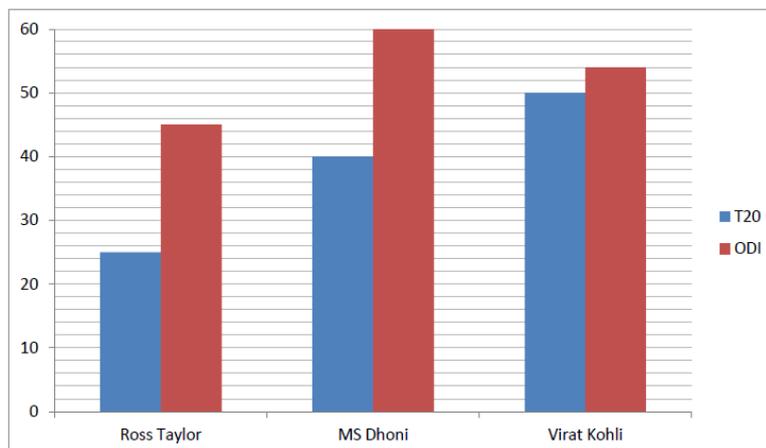
4) What is the central angle of R?

- a) 80 degrees b) 40 degrees c) 36 degrees d) 79.2 degrees
e) 72.92 degrees

5) In company S, some female employees joined the company which increased the total number of employees in company S by 50 percent. Find the new ratio of male and female employees in the company S.

- a) 10: 17. b) 17: 11. c) 19: 7. d) 8: 10 e) 8: 19

Directions (6 - 10): The following bar graph shows the average runs scored by three batsmen - Ross Taylor, MS Dhoni and Virat Kohli in T20s and ODIs. The table gives the average runs (T20 + ODI) of the batsmen.



Batsman	Total Average
Ross Taylor	37
MS Dhoni	53
Virat Kohli	52.25

6) The number of ODI matches played by MS Dhoni is what percent of the total matches (T20 + ODI) played by him.

- a) 35% b) 48% c) 65% d) 185% e) 75%

7) If the average runs of Ross Taylor in T20 increased by 20 percent, what will be the change in the total average runs (T20 + ODI) of Ross Taylor?

- a) 39 b) 2 c) 36 d) 0 e) 1

8) If the difference between the number of ODI and T20 matches played by Ross Taylor is one more than the difference between the number of ODI and T20 matches played by Virat Kohli, what is the value of ratio of total number of matches (T20 + ODI) played by Ross Taylor and Virat Kohli?

- a) 5/8 b) Less than 5/8 c) More than 5/8 d) 1 e) None of these

9) If the number of ODI matches played by MS Dhoni is a perfect square, then what is the minimum number of T20 matches played by MS Dhoni?

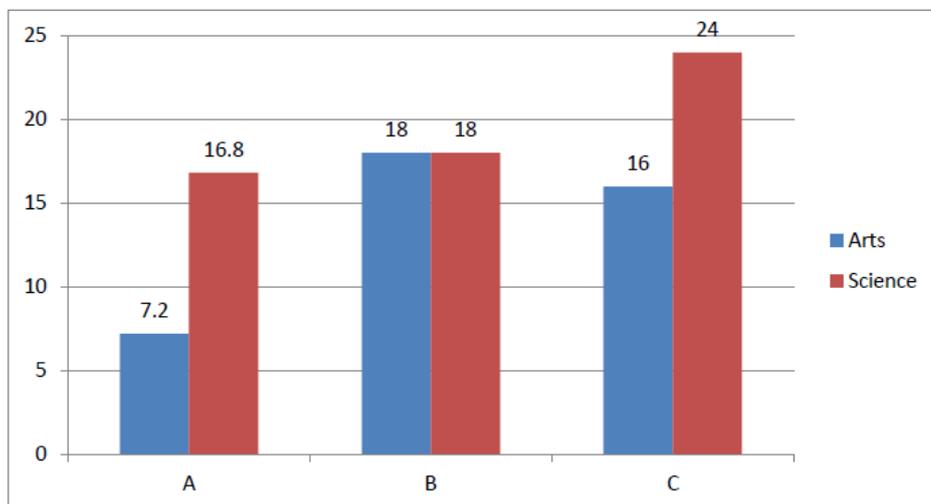
- a) 49 b) 98 c) 105 d) 91 e) 119

10) If the total number of matches played by Virat Kohli is 192, then find the difference between the number of ODI and T20 matches played by him?

- a) 24 b) 12 c) 84 d) 108 e) 48

Directions (11 - 15): Study the following information carefully and answer the questions given below.

In a city, there are three colleges A, B and C with two courses namely Arts and Science. Total number of students in the college is 5000. The following bar graph represents the percentage of students in each course with respect to total number of students in the college.



The following table contains some unknown data.

College	Arts		Science	
	Male	Female	Male	Female
A	X - 100	—	—	X
B	2X	X	—	400
C	—	0	400	—

11) What is the ratio of number of Male Arts to the number of Female science in college C?

- a) 2: 3 b) 4: 5 c) 1: 2 d) 1: 1 e) 5: 6

12) Total number of students in college B is what percent more or less than the total number of students in college A?

- a) 50% more b) 50% less c) 33.33% less d) 33.33% more
e) 16.66% less

13) Find the average number of Science students in three colleges.

- a) 980 b) 680 c) 588 d) 490 e) 344

14) What is the ratio of total number of male students to that of female students?

- a) 49: 75 b) 80: 23 c) 23: 80 d) 24: 25 e) 76: 49

15) In college B, 50% of male and 75% of female students cleared the course and got job. Find the ratio of students who got job to students who did not get job.

- a) 31: 43 b) 47: 23 c) 25: 47 d) 43: 29 e) 5: 8

Directions (16 - 20): Study the following paragraph carefully and answer the following questions.

x men alone can do a work in $(2n - 2)$ days. It takes $(x - 6)$ days for y women alone to complete the same work. The efficiency of man is 33.33% more than that of woman. The ratio of number of men (x) and women (y) is 9: 10. In order to finish the work one day before, n number of men were added to do the work for last three days. If number of women decreased by $y\%$, the number of days is increased by $z\%$.

16) What is the value of z ?

- a) 15 b) 20 c) 25 d) 18 e) 26

17) What is the ratio of number of days taken by x men to complete the work to that of y women?

- a) 9: 10 b) 5: 6 c) 6: 7 d) 5: 7 e) 7: 3

18) How many days will be taken by 30 children whose efficiency is 40 percent less than the woman to complete the work?

- a) 6 days b) 10 days c) 7.5 days d) $13 \frac{1}{3}$ days e) 12 days

19) If y men and y women together do this work, how many days they will take to complete the work?

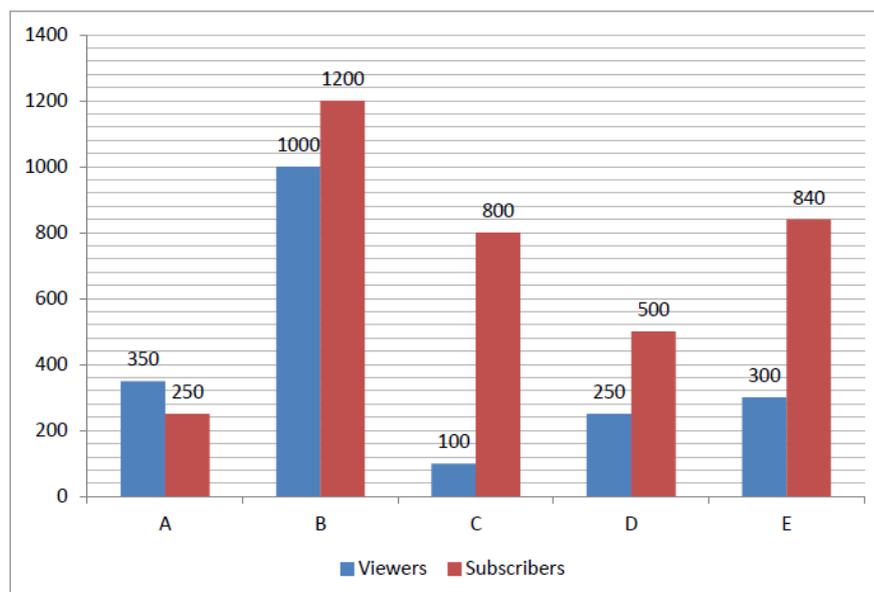
- a) $5 \frac{5}{11}$ days b) 6 days c) 7 days d) $5 \frac{7}{11}$ days e) $5 \frac{1}{7}$ days

20) If $(x + n)$ men do another work which is 20% more than this work, how many days will they take to complete the work?

- a) 9 days b) 12 days c) 7 days d) $7 \frac{1}{2}$ days e) $5 \frac{1}{7}$ days

Directions (21 - 25): Study the following information carefully and answer the questions given below.

In YouTube, there are five videos uploaded in five different channels A, B, C, D and E. The following bar graph represents the total number of viewers of the five videos and total number of subscribers to that channel in thousands.



Videos by Channel	Percentage of subscribers who viewed the videos
A	60%
B	66.67%
C	7.25%
D	30%
E	25%

Total Viewers = Number of subscribers who viewed + Number of non subscribers who viewed

21) What is the ratio of total number of subscribers who viewed videos in A and B together to the total number of non -subscribers who viewed videos in D and E?

- a) 2: 1 b) 5: 1 c) 1: 3 d) 1: 1 e) 5: 4

22) In which two video channel, the total number of subscribers who viewed the video are same?

- a) A and B b) B and C c) C and D d) A and D
e) C and E

23) Find the average number of viewers.

- a) 400 b) 450 c) 500 d) 300 e) 330

24) In channel C, the total number of female subscribers who did not view the video is 10 times of the non subscribers. Find the number of male subscribers who did not view the video.

- a) 420 b) 742 c) 418 d) 400 e) 322

25) Find the total number of subscribers who did not view the videos

- a) 2320 b) 1220 c) 2222 d) 1320 e) 1368

Directions (26 - 30): Study the following paragraph carefully and answer the following questions.

A bank is conducting a recruitment process for 'z' vacancies. The number of applications received is 'x' out of which 10% are rejected due to some mistakes. The call letter for prelims exam is sent to all the remaining candidates. But some candidates did not attend the exam. 15z candidates passed the prelims and call letter for mains have been issued. In the mains exam also, some candidates were absent. 'z' number of candidates were selected for the job.

The total number of candidates appeared in prelims and mains are 11,08,000. The number of applications rejected and the number of candidates selected for the mains are same. The number of candidates who did not attend the mains exam is 42,000. The difference between the number of candidates who were called for the prelims and the number of candidates who did not qualify the prelims exam is 5,00,000.

26) What is the ratio of number of candidates attended prelims to mains?

- a) 95: 27 b) 15: 1 c) 250: 27 d) 1000: 27 e) 125: 54

27) The candidates who did not clear mains exam were given second chance of another exam in which 2% of them were selected. How many candidates were selected in this way?

- a) 98000 b) 19600 c) 9800 d) 1960 e) 10960

28) Find the average number of candidates who did not write prelims and mains exam.

- a) 42000 b) 21000 c) 98000 d) 392000 e) 196000

29) Out of number of candidates who appeared for prelims, 22.5% of female and 10% of male have cleared the exam. Find the difference between the number of male and female candidates who appeared for prelims

- a) 400000 b) 200000 c) 800000 d) 100000 e) 50000

30) Initially, the number of applications rejected was n%. Two days time was given to candidates to rectify the mistakes. 30% of rejected candidates corrected their mistakes on first day and 10% on second day. The corrected applications were accepted. Find the value of n.

- a) 16.67 b) 50 c) 43 d) 25 e) 45



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