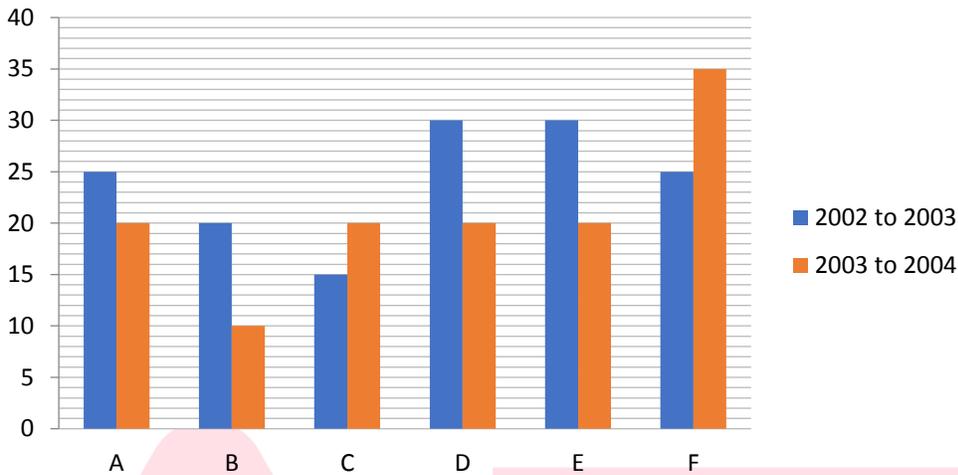


Quiz Date: 19th March 2020

Directions (1-5): Read the following graph and table carefully and answer the questions given below.

Percentage increase in population of 6 villages from 2002 to 2003 and from 2003 to 2004



Actual total population of these villages in 3 different years.

Years \ Village	2002	2003	2004
A	-	-	3750
B	-	1980	-
C	-	-	1518
D	-	-	-
E	1250	-	-
F	1200	-	-

Q1. What is the ratio of total population of village E in 2004 to village A in 2002?

- (a) 41:50
- (b) 37:45
- (c) 48:31
- (d) 44:53
- (e) 39 : 50

Q2. Total population of village A in 2002 is what percent more than total population of village C in 2002?(round off to 2 decimal Places)

- (a) 129.27%
- (b) 127.27%
- (c) 135%
- (d) 123.37%
- (e) 127.72%

Q3. Ratio of Total population of village C and D in 2002 is 22:27 respectively, what will be total population of village D in 2004?

- (a) 1350
- (b) 2108
- (c) 1250
- (d) 2106
- (e) None of these

Q4. The total population of F in 2002 is approximately what percent of the total population of same village in 2004?(round off to 2 decimal places)

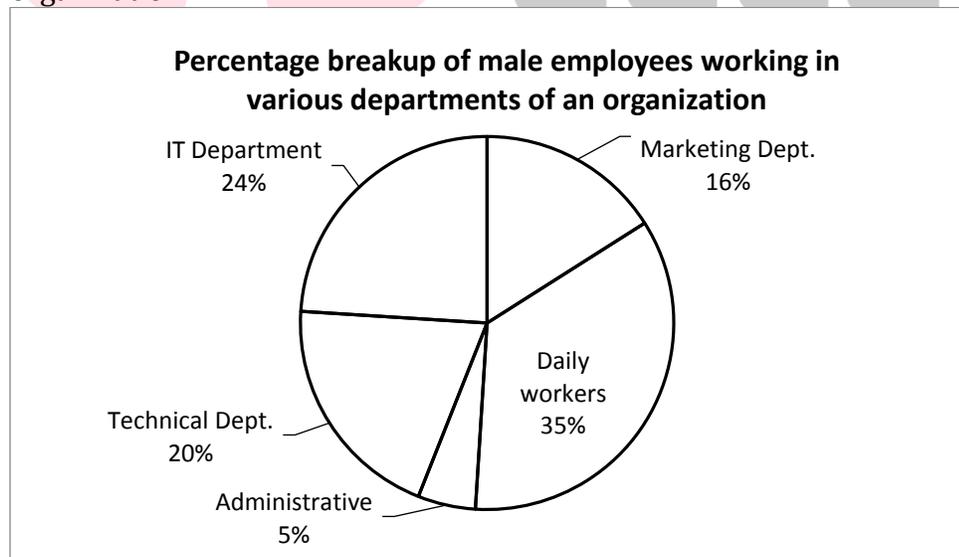
- (a) 53.26
- (b) 59.38
- (c) 49.38
- (d) 57.38
- (e) 59.26

Q5. Total population in 2002 of all villages together is approximately what percent less than the total population in 2004 of all villages together?

- (a) 33
- (b) 39
- (c) 37
- (d) Can't be determined
- (e) None of these

Directions (6-10): Study the following pie chart and answer the following question given below: -

Total Number of males in the organization is two times of the total number of females in the organization



Number of females in Each Department

Daily working Department	4800
Marketing Department	3200
Administrative Department	1400
Technical Department	3800
IT Department	2100

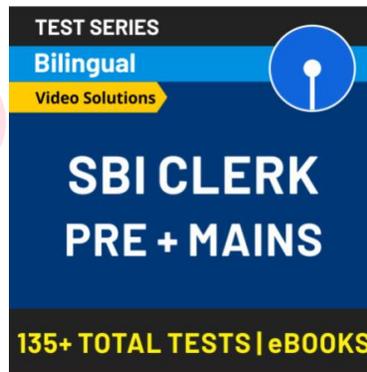
Q6. Number of males in Marketing, Technical and IT department together are approximately what percent more or less than the total number of females in the same departments?

- (a) 98%
- (b) 102%
- (c) 105%
- (d) 107%
- (e) 110%

Q7. Out of the total number of employees from Administrative department, 30% of the employees got promoted, then find the ratio of the number of employees from Administrative department who get promoted to the total number of female employees in the organization .

- (a) 10200 : 293
- (b) 5300 : 329
- (c) 5100 : 293
- (d) 293 : 5100
- (e) 293 : 1700

BANKERS



Q8. If one male employee from Daily working department can do a work in 21420 days and the female from Daily working department are 20% less efficient than that of male in Daily working department, then find the total no. of days taken by all employees from Daily working department to do the same job ?

- (a) $\frac{2002}{2009}$ days
- (b) $\frac{2002}{1096}$ days
- (c) $\frac{485}{714}$ days
- (d) $\frac{714}{485}$ days
- (e) $\frac{814}{485}$ days

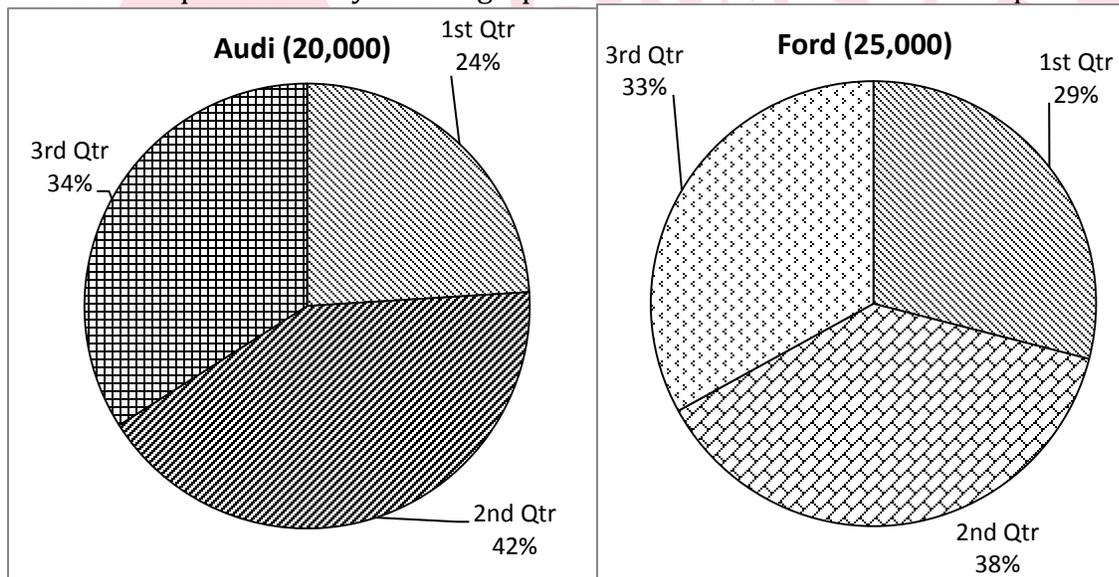
Q9. Find the difference between the average number of males in all departments of the organization and the average number of females in all departments of the organization ?

- (a) 3060
- (b) 2440
- (c) 2630
- (d) 2920
- (e) 2290

Q10. If in the IT department some male employees are increased such that the total no. of male employees in IT department becomes 70% more than the total no. of female employees in Daily working department. then the total no. of male employees now in IT department is approximately what percent of total no. of employees in Administrative department ?

- (a) 287.5%
- (b) 278.5%
- (c) 258.7%
- (d) 280%
- (e) 281.5%

Directions (11-15) - The pie graphs given below show the percentage wise breakup of number of cars sold by two companies: Audi and Ford in 3 quarters of a given year. There are 4 quarters in a year and graphs show the information for three quarters only.



Q11. If in the 4th quarter number of cars sold by Audi are $37\frac{1}{2}\%$ more than the number of cars sold in 2nd quarter by same company then find the sum of the number of cars sold in 1st and 2nd quarter together by Ford and number of cars sold in 4th and 2nd quarter by Audi?

- (2 marks)
- (a) 36200
- (b) 36700
- (c) 36800
- (d) 34800

(e) Can't be determined

Q12. If the number of cars sold in 4th quarter by Ford is 1750 more than the number of cars sold by Ford in 1st quarter, then number of cars sold by Ford in 4th quarter is what percent of total number of cars sold by same company in the whole year? (1 marks)

- (a) $26\frac{8}{17}\%$
- (b) $33\frac{1}{3}\%$
- (c) 31%
- (d) $25\frac{1}{4}\%$
- (e) $37\frac{2}{3}\%$

Q13. If we include the 4th quarter of the year, number of cars sold by Audi in 2nd quarter will become 28% of the cars sold by Audi in the whole year, then what is the number of cars sold by same company in quarters 3rd and 4th together? (1 marks)

- (a) 12330
- (b) 11440
- (c) 11550
- (d) 16800
- (e) None of these

L1Difficulty 3

QTags Miscellaneous DI

QCreator Paper Maker 10

BANKERS

Q14. Total no. of cars sold by Ford in 2nd quarter is what percent more/less than total no. of the cars sold by Audi in 1st and 3rd quarter? (Calculate up to two decimal points) (2 marks)

- (a) 12.33%
- (b) 15.56%
- (c) 17.77%
- (d) 28.33%
- (e) 18.10%

Q15. Total number of cars sold by Audi in 2nd and 3rd quarter is how much more/less than the number of cars sold by Ford in quarters 3rd and 4th if no. of cars sold by Ford in 4th quarter is $9\frac{1}{11}\%$ more than that in 3rd quarter?

- (a) 2400
- (b) 2900
- (c) 2050
- (d) 2500
- (e) None of these

Solutions

S1. Ans. (e)

Sol. Total population of E in 2004

$$1250 \times \frac{(100 + 30)}{100} \times \frac{(100 + 20)}{100} = 1950$$

Total population of A in 2002

$$= 3750 \times \frac{100}{125} \times \frac{100}{120} = 2500$$

$$\text{required ratio} = \frac{1950}{2500} = 39 : 50$$

S2. Ans. (b)

Sol. Total population of A in 2002 = 2500

$$\text{Total population of C in 2002} = 1518 \times \frac{100}{120} \times \frac{100}{115} = 1100$$

$$\text{Required percentage} = \frac{2500-1100}{1100} \times 100 = 127.27\%$$

S3. Ans. (d)

$$\text{Sol. total population of D in 2002} = \frac{27}{22} \times 1100 = 1350$$

$$\text{Total population of D in 2004} = 1350 \times \frac{130}{100} \times \frac{120}{100} = 2106$$

S4. Ans. (e)

$$\text{Sol. Total population of F in 2004} = 1200 \times \frac{125}{100} \times \frac{135}{100} = 2025$$

$$\text{required percentage} = \frac{1200}{2025} \times 100 = 59.26\%$$

S5. Ans. (d)

Sol. Can't be determined as no information is given about population of D

S (6-10)

Departments	Male	Female
Daily working Dept.	10710	4800
Marketing Dept.	4896	3200
Administrative Dept.	1530	1400
Technical Dept.	6120	3800
IT Dept.	7344	2100
Total	30600	15300

S6. Ans.(b)

Sol.

$$\text{Number of males in Marketing, Technical and IT Dept. together} = 4896 + 6120 + 7344 = 18360$$

Number of females in Marketing, Technical and IT Dept. together

$$= 3200 + 3800 + 2100 = 9100$$

$$\text{Required \%} = \frac{18360-9100}{9100} \times 100$$

$$= \frac{9260}{9100} \times 100 = 101.75\%$$

$$\approx 102\%$$



S7. Ans.(d)

Sol.

$$\text{Required Ratio} = \frac{30}{100} (1400 + 1530) : 15,300$$

$$= 293 : 5100$$

S8. Ans.(d)

Sol.

$$M \rightarrow 21420 \text{ days}$$

$$F \rightarrow 21420 \times \frac{100}{80} = 26775 \text{ days}$$

Required No. of days

$$\frac{1}{\frac{10710}{21420} + \frac{4800}{26775}}$$

$$= \frac{1}{\frac{1}{2} + \frac{64}{357}}$$

$$= \frac{1}{\frac{485}{714}}$$

$$= \frac{714}{485} \text{ days}$$

S9. Ans.(a)

Sol.

$$\text{Required difference} = \frac{1}{5} (30600 - 15300)$$

$$= \frac{1}{5} \times 15300$$

$$= 3060$$

S10. Ans.(b)

Sol.

Let x no. of male employees are increased in IT department

$$\therefore (7344 + x) = \frac{170}{100} \times 4800$$



$$x = 816$$

Total male employee in IT department = $(7344 + 816) = 8160$

$$\therefore \text{Required percentage} = \frac{8160}{1530 + 1400} \times 100 \\ \approx 278.5\%$$

S11. Ans.(b)

Sol.

$$\text{No. of cars sold by Audi in 2nd quarter} = \frac{42}{100} \times 20000 = 8400$$

$$\text{No. of cars sold by Audi in 4th quarter} = 8400 + \frac{3}{8} \times 8400 = 11550$$

$$\text{Required sum} = \frac{29 + 38}{100} \times 25000 + 8400 + 11550 = 36700$$



S12. Ans.(a)

Sol.

$$\text{No. of Cars sold by Ford in 1st quarter} = \frac{29}{100} \times 25000 = 7250$$

$$\text{No. of cars sold by Ford in 4th quarter} = 7250 + 1750 = 9000$$

$$\text{Required \%} = \frac{9000}{34000} \times 100 \\ = \frac{450}{17} = 26\frac{8}{17}\%$$

S13. Ans.(d)

Sol.

$$\text{No. of cars sold by Audi in 2nd quarter} = \frac{42}{100} \times 20000 = 8400$$

Let total no. of cars sold by Audi in whole year = x

$$\therefore 8400 = \frac{28x}{100}$$

$$x = 30000$$

$$\text{No. of cars sold by Audi in 4th quarter} = 30000 - 20000 = 10000$$

$$\text{Required no. of cars} = 0.34 \times 20000 + 10000 = 16800$$

S14. Ans.(e)

Sol.

$$\text{No. of cars sold by ford in 2nd quarter} = \frac{38}{100} \times 25000 = 9500$$

$$\text{Total no. of cars sold by Audi in 1st and 3rd quarter} = \left(\frac{34 + 24}{100}\right) \times 20000 = 11600$$

$$\text{Required \%} = \frac{11600-9500}{11600} \times 100$$
$$= 18.10\%$$

S15. Ans.(c)

Sol.

$$\text{No. of cars sold by audi in quarters 2nd and 3rd} = \frac{(34+42)}{100} \times 20000$$
$$= 15200$$

$$\text{no. of cars sold by ford in 4th quarter} = \frac{12}{11} \times \frac{33}{100} \times 25000 = 9000$$

$$\text{no. of cars sold by ford in quarters 3rd and 4th} = \left(\frac{33}{100} \times 25000 \right) + 9000$$
$$= 8250 + 9000 = 17250$$

$$\text{Required answer} = 17250 - 15200 = 2050$$

For any Banking/Insurance exam Assistance, Give a Missed call @ 01141183264

