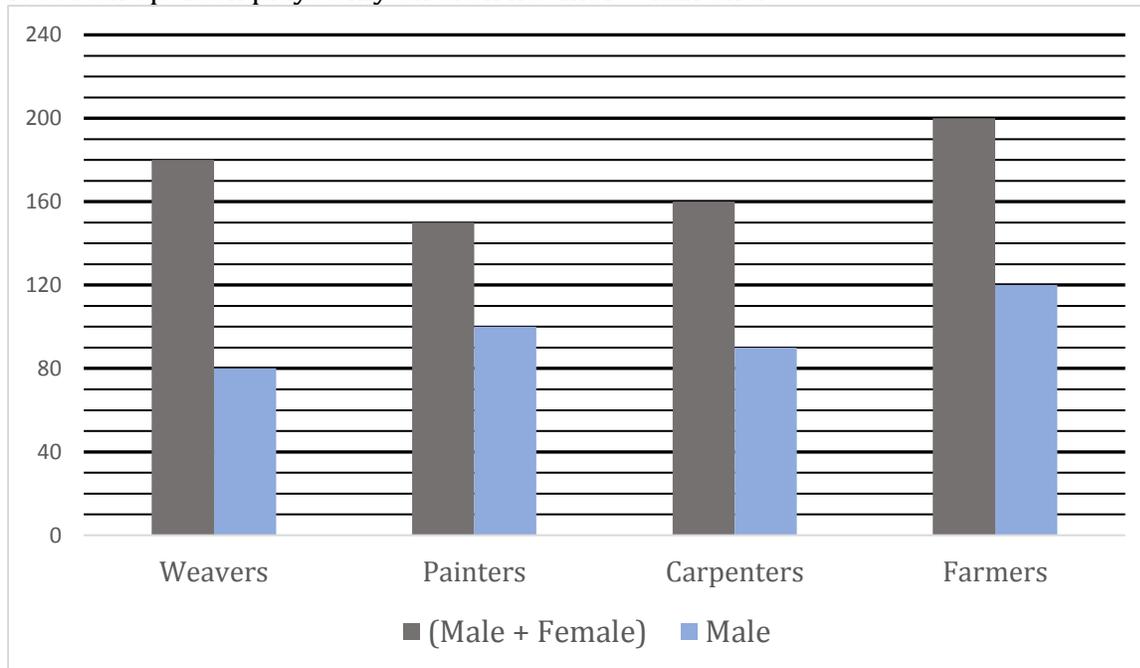


Quiz Date: 5th August 2020

Direction (1-5): - Bar graph given below shows total persons (male + females) who play four different rolls in a drama and number of males who play these rolls respectively. Study the data carefully and answer the following questions.

Note: One person plays only one roll not more than one.



Q1. Find the ratio between total number of persons (male + females) who play roll of Weavers, Painters and Farmers together to the total number of females who play role of Painter and Carpenter together?

- (a) None of the given options
- (b) 12: 53
- (c) 53 : 12
- (d) 23 : 8
- (e) 51: 14

Q2. Total number of males who play roll of Weaver and Carpenter together is how much less than total no. of persons (male + female) who play roll of Carpenter and Farmer together?

- (a) 90
- (b) 190
- (c) 180
- (d) None of the given options
- (e) 290

Q3. Total number of males who play roll of Painter and Farmer together is what percent of the total females who play same rolls?

- (a) $\frac{2200}{13}$ %
- (b) None of the given options

- (c) $\frac{2550}{13}\%$
 (d) 168%
 (e) 196%

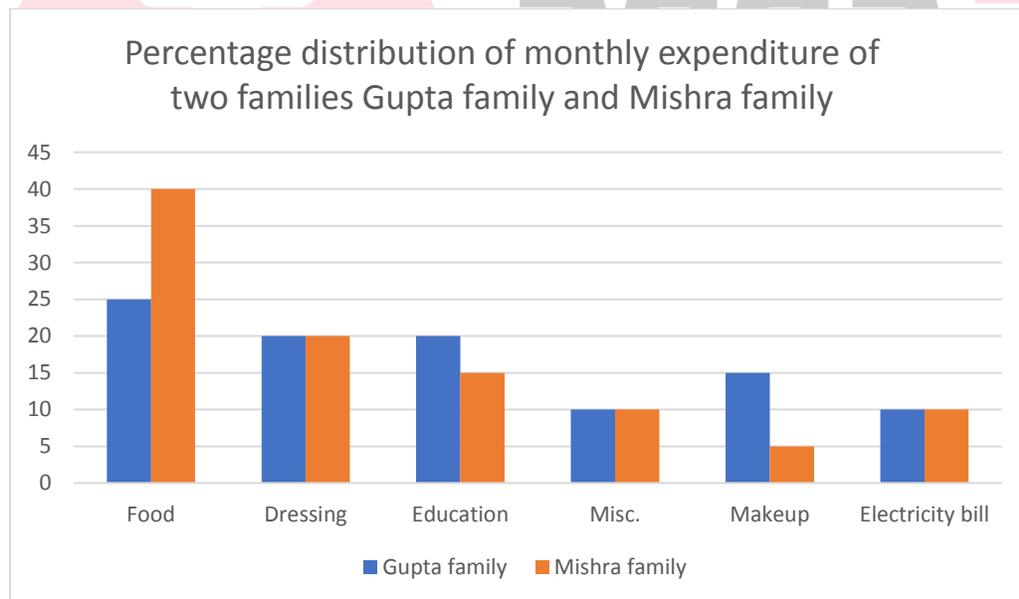
Q4. Out of total males and females who play roll of Carpenter, 50% and $28\frac{4}{7}\%$ respectively were awarded for their performances. Find total persons (males + females) who were not awarded for their performances for the same roll is what percent of total persons (male + female) who play this roll?

- (a) 40%
 (b) 49.75%
 (c) 69.375%
 (d) 59.375%
 (e) 79.5%

Q5. Find the average number of females who play all the rolls together.

- (a) 80
 (b) 75
 (c) 65
 (d) 85
 (e) 90

Directions (6-10): Following bar diagram shows the monthly expenditure of two families i.e. Gupta family and Mishra family on food, dressing, education, make up, electricity bill and miscellaneous (in percentage).



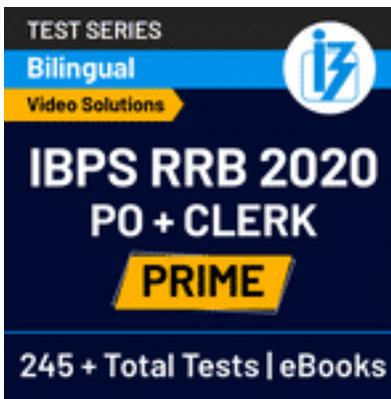
Q6. What fraction of the total expenditure is spent on Education by Gupta family?

- (a) $\frac{2}{5}$

- (b) $\frac{1}{5}$
(c) $\frac{3}{5}$
(d) $\frac{4}{5}$
(e) $\frac{5}{7}$

Q7. If the total annual expenditure of Mishra family is Rs. 1,00,000 then money spent on dresses during the year by Mishra family is:

- (a) Rs. 2000
(b) Rs. 20000
(c) Rs. 6000
(d) Rs. 60000
(e) Rs. 24000



Q8. If the total annual expenditure of Gupta family is Rs. 3,00,000 then money spend on food, dresses and electricity bill during the year by Gupta family is:

- (a) Rs. 1,65,000
(b) Rs. 1,80,000
(c) Rs. 2,10,000
(d) Rs. 1,50,000
(e) Rs. 1,25,000

Q9. If both the families have the same expenditure, which one spends more on education and miscellaneous together?

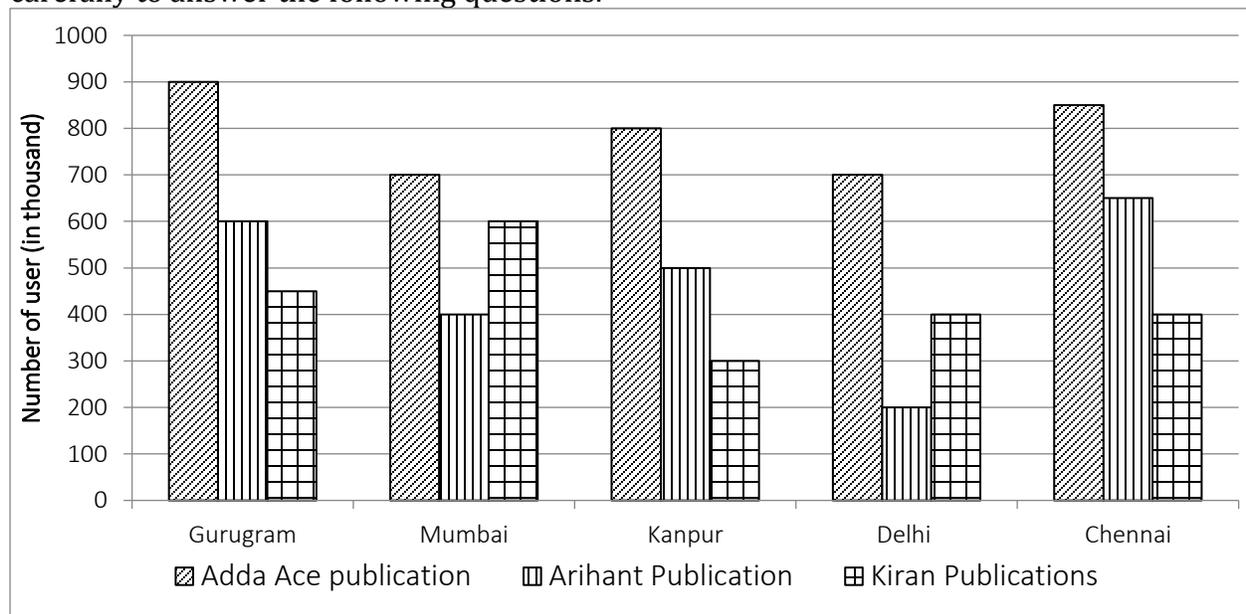
- (a) Gupta family
(b) Mishra family
(c) Both families spend same
(d) Can't be determined
(e) None of these

Q10. If annual expenditures of Gupta family and Mishra family are Rs.1,20,000 and Rs.1,08,000 respectively, then total monthly expenditure on makeup by Gupta family is how much percent more than that by Mishra family?

- (a) $\frac{400}{3}$ %

- (b) $\frac{200}{3}\%$
 (c) $\frac{700}{3}\%$
 (d) $\frac{500}{3}\%$
 (e) $\frac{550}{3}\%$

Directions (11-15): The given bar graph shows the number of buyers who buy books of three different types of publications Adda Ace publication, Arihant Publication and Kiran Publications across 5 cities Gurugram, Mumbai, Kanpur, Delhi and Chennai. Study the graph carefully to answer the following questions.



Q11. What is the difference of average of no. of buyers of Adda Ace publication and Kiran Publication across all the cities(in thousand) ?

- (a) 375
 (b) 400
 (c) 300
 (d) 325
 (e) 360

Q12. Total number of book buyer in Mumbai is what percent of number of book buyer in Delhi ? (Answer will be in approximate manner)

- (a) 75%
 (b) 125%
 (c) 131%
 (d) 145%
 (e) 135%

Q13. The number of buyers of Adda Ace Publication and Kiran Publication together in Kanpur is what approximate percent of the number of buyers of Adda Ace Publication and Arihant Publication in Chennai ?

- (a) 73%
- (b) 77%
- (c) 65%
- (d) 70%
- (e) 80%

Q14. Find the ratio of total number of buyers in all publications in Mumbai to the total number of buyers in all publications in Gurugram ?

- (a) 34 : 19
- (b) 34 : 39
- (c) 17 : 39
- (d) 39 : 34
- (e) 25 : 34

Q15. Total number of buyers of Adda Ace Publications in all cities is approximately what percent more/less than the total number of buyers of Kiran Publication in all cities ?

- (a) 85% less
- (b) 70% more
- (c) 75% less
- (d) 84% more
- (e) 75% more

BANKERS



a247

Solutions

S1. Ans. (c)

$$\text{Sol. Required ratio} = \frac{(180+150+200)}{(50+70)}$$

$$= \frac{530}{120} = 53:12$$

S2. Ans. (b)

$$\text{Sol. Required difference} = (160 + 200) - (80 + 90) = 190$$

S3. Ans. (a)

$$\begin{aligned}\text{Sol. Required percentage} &= \frac{(100+120)}{(50+80)} \times 100 \\ &= \frac{2200}{13}\% \\ &= 169\frac{3}{13}\%\end{aligned}$$

S4. Ans. (d)

$$\text{Sol. Total males who were not awarded for the roll of Carpenter} = 90 - \frac{50}{100} \times 90 = 45$$

$$\text{Total females who were not awarded for roll of Carpenter} = 70 - \frac{200}{700} \times 70 = 50$$

$$\therefore \text{Required percentage} = \frac{95}{160} \times 100 = 59.375\%$$

S5. Ans. (b)

$$\begin{aligned}\text{Sol. Required average} &= \frac{1}{4}(100 + 50 + 70 + 80) \\ &= 300/4 = 75\end{aligned}$$

S6. Ans.(b)

$$\text{Sol. Required fraction} = \frac{20}{100} = \frac{1}{5}$$

S7. Ans.(b)**Sol.**

$$\text{Monthly expenditure of Mishra family} = \frac{1,00,000}{12}$$

$$\begin{aligned}\text{Money spent on dresses during the year by Mishra family} &= 12 \times \frac{20}{100} \times \frac{1,00,000}{12} \\ &= \text{Rs. } 20,000\end{aligned}$$

S8. Ans.(a)**Sol.**

$$\text{Monthly expenditure of Gupta family} = \frac{3,00,000}{12}$$

$$\begin{aligned}\therefore \text{Required answer} &= 12 \times \frac{(25+20+10)}{100} \times \frac{3,00,000}{12} \\ &= 1,65,000\end{aligned}$$

S9. Ans.(a)**Sol.**

Let both have expenditure of 100

∴ Expenditure of Gupta family on education and miscellaneous together

$$= 20 + 10$$

$$= 30$$

Expenditure of Mishra family on Education and miscellaneous together

$$= 15 + 10$$

$$= 25$$

Clearly, Gupta family spends more than Mishra family.

S10. Ans. (c)

Sol. Monthly expenditure of Gupta family on makeup = $\frac{120000}{12} \times \frac{15}{100} = 1500$

Monthly expenditure of Mishra family on makeup = $\frac{108000}{12} \times \frac{5}{100} = 450$

\therefore Required percentage = $\frac{1500-450}{450} \times 100 = 233\frac{1}{3}\%$

S11. Ans.(e)

Sol.

Average buyer of Adda Ace publications

$$= \frac{900+700+800+700+850}{5}$$

$$= 790$$

Average buyer of Kiran Publication

$$= \frac{450+600+300+400+400}{5}$$

$$= 430$$

Required difference = $790 - 430 = 360$

S12. Ans.(c)

Sol.

Required % = $\frac{1700}{1300} \times 100 \approx 131\%$

S13. Ans.(a)

Sol.

The number of buyers in Kanpur (Adda Ace publication + Kiran Publication) = 1100

The number of buyers in Chennai (Adda Ace publication + Arihant Publication) = 1500

Required % = $\frac{1100}{1500} \times 100 \approx 73\%$

S14. Ans.(b)

Sol.

Total number of buyers in Mumbai = 1700

Total number of buyers in Gurugram = 1950

Required ratio = $1700 : 1950 = 34 : 39$

S15. Ans.(d)

Sol.

Total number of buyers of Adda Ace Publication in all cities

$$= (900 + 700 + 800 + 700 + 850)$$

$$= 3950$$

Total number of buyers of Kiran Publication in all cities

$$= (450 + 600 + 300 + 400 + 400)$$

$$= 2150$$

Required% = $\frac{3950-2150}{2150} \times 100$

$$= \frac{1800}{2150} \times 100$$

$$\approx 84\% \text{ more}$$

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

