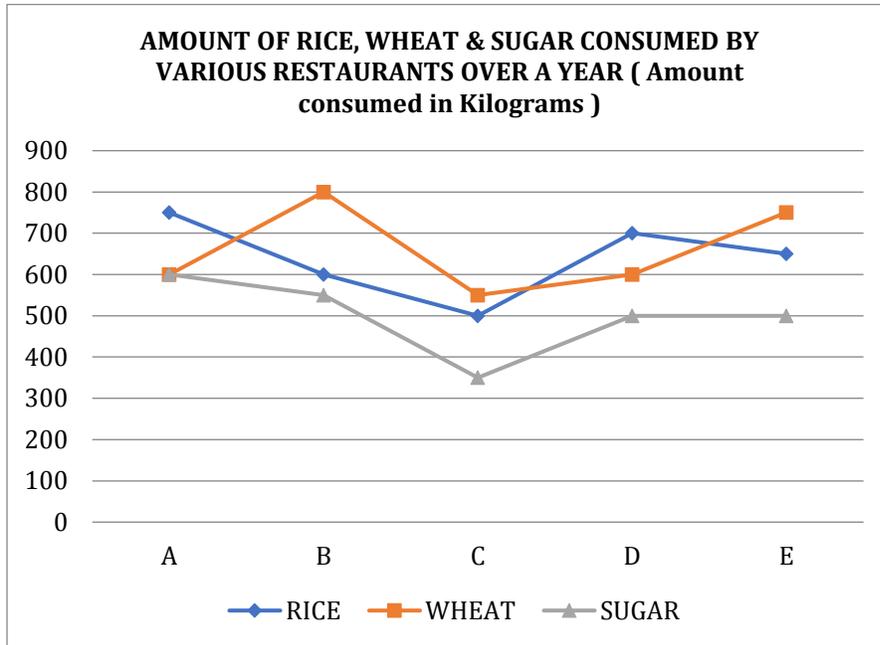


Quiz Date: 4<sup>th</sup> October 2020

**Directions (1 - 5):** Study the following Graph carefully and answer the question given below.



Q1. What is the respective ratio of the amount of rice, wheat and sugar consumed by Restaurant B to the same consumed by Restaurant E?

- (a) 18 : 17
- (b) 29 : 27
- (c) 33 : 28
- (d) 39 : 38
- (e) 34 : 31

Q2. What is the average amount of rice, Wheat and sugar consumed by all the restaurants?

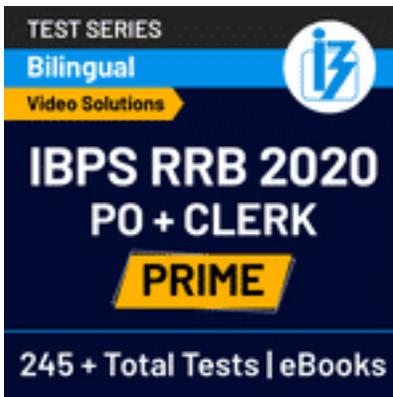
- (a) 1800 kgs.
- (b) 1790 kgs.
- (c) 1900 kgs.
- (d) 1950 kgs.
- (e) 1570 kgs.

Q3. Sugar consumed by Restaurant D is approximately what per cent of rice and wheat consumed by the same Restaurant? (in %)

- (a) 32
- (b) 25
- (c) 38
- (d) 42
- (e) 29

Q4. Rice consumed by Restaurant C is approximately what per cent of the rice consumed by all the Restaurants together? (in %)

- (a) 12
- (b) 18
- (c) 21
- (d) 24
- (e) 16



Q5. What is the difference between the average amount of wheat and the average amount of sugar consumed by all the Restaurants together?

- (a) 145 kgs.
- (b) 160 kgs.
- (c) 155 kgs.
- (d) 150 kgs.
- (e) 147 kgs.

Q6. In an election between two candidates, one got 55% of total valid votes and 20% of the total votes casted were invalid. If total votes were 7500, then what is the number of valid votes that the other person got ?

- (a) 2550
- (b) 2670
- (c) 2700
- (d) 2850
- (e) 2500

Q7. The price of petrol is increased by 25% by what percent should a car owner reduce the consumption of petrol so that his expenditure on petrol remains constant ?

- (a) 18%
- (b) 16%
- (c) 15%
- (d) 20%
- (e) 14%

Q8. The average age of a class of 20 students increases by 2 when 4 new students join. If the original average age was 18 years, then find the sum of ages of four students who join. (in years)

- (a) 125
- (b) 112
- (c) 115
- (d) 120
- (e) 108

Q9. A and B started a business with the investments in the ratio of 5 : 3 respectively. After 6 months from the start of the business, C joined them and the respective ratio between the investments of B and C was 2 : 3. If the annual profit earned by them was Rs. 12300, what was the difference between B's share and C's share in the profit ?

- (a) Rs. 900
- (b) Rs. 800
- (c) Rs. 600
- (d) Rs. 400
- (e) Rs. 700

Q10. The manufacturer of an article makes a profit of 5%, the wholesale dealer makes a profit of 10%, and the retailer makes a profit of 15%. Find the manufacturing price of the article if the retailer sold it for Rs. 5313.

- (a) Rs. 4000
- (b) Rs. 4500
- (c) Rs. 5000
- (d) Rs. 4950
- (e) Rs. 4200

**Directions(11-13):** What approximate value will come in place of the question-mark (?) in the following questions?

Q11.  $16.5\%$  of 1399.921 +  $114.78\%$  of 1211 = ?

- (a) 1270
- (b) 1350
- (c) 1490
- (d) 1530
- (e) 1620

Q12.  $\sqrt{1220} \times 16.06 + \sqrt{4897} = ?$

- (a) 610
- (b) 620
- (c) 630
- (d) 640
- (e) 650

Q13.  $18.08 \times 11.898 + 22.922 \times 14.94 = ?$

- (a) 520
- (b) 560
- (c) 540
- (d) 580
- (e) 610

**Directions (14-15):** What should come in place of question mark (?) in the following number series?

Q14. 8, 14, 32, 70, 136, ?

- (a) 248
- (b) 247
- (c) 237
- (d) 238
- (e) 254

Q15. 52, 26, 26, 39, 78, ?, 585

- (a) 195
- (b) 156
- (c) 234
- (d) 117
- (e) 139

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**Solutions**

S1. Ans.(d)

$$\begin{aligned} \text{Sol. Ratio} &= 600+800+550 : 650+750+500 \\ &= 1950 : 1900 \\ &= 39 : 38 \end{aligned}$$

S2. Ans.(a)

Sol. Total consumption of rice, wheat and sugar :

Restaurant A = 1950 kgs

Restaurant B = 1950 kgs

Restaurant C = 1400 kgs

Restaurant D = 1800 kgs

Restaurant E = 1900 kgs

$$\text{Average} = \frac{1950+1950+1400+1800+1900}{5} = 1800 \text{ kgs}$$

S3. Ans.(c)

$$\begin{aligned} \text{Sol.} & \frac{500}{(700+600)} \times 100 \\ &= \frac{500}{1300} \times 100 = 38.46\% \approx 38\% \text{ (approx)} \end{aligned}$$

S4. Ans.(e)

$$\text{Sol.} \frac{500}{3200} \times 100 = 15.63\% \approx 16\% \text{ (approx)}$$

S5. Ans.(b)

$$\text{Sol. Average (wheat)} = \frac{3300}{5} = 660 \text{ kgs}$$

$$\text{Average (sugar)} = \frac{2500}{5} = 500 \text{ kgs}$$

$$\text{Difference} = 660 - 500 = 160 \text{ kgs}$$

S6. Ans.(c)

Sol.

No. of valid votes that other person got

$$= \frac{45}{100} \times \frac{80}{100} \times 7500$$

$$= \frac{9}{20} \times \frac{4}{5} \times 7500$$

$$= 2700$$

S7. Ans.(d)

Sol.

Using the formula,

% reduction in consumption

$$= \frac{25}{(100+25)} \times 100$$

$$= 20\%$$

S8. Ans.(d)

Sol.

Let, sum of ages of 4 new students is x years,

$$\frac{20 \times 18 + x}{(20+4)} = (18 + 2)$$

$$\text{or, } 360 + x = 24 \times 20$$

$$\text{or, } x = 480 - 360 = 120 \text{ years}$$

S9. Ans.(a)

Sol.

$$A : B = 5 : 3 = 10 : 6$$

$$B : C = 2 : 3 = 6 : 9$$

$$A : B : C = 10 : 6 : 9 \text{ or } 10x : 6x : 9x$$

$$\text{Ratio of profit} = (10x \times 12) : (6x \times 12) : (9x \times 6)$$

$$= 20 : 12 : 9$$

$$\text{Required difference} = \frac{12-9}{41} \times 12300$$

$$= 900 \text{ Rs.}$$

S10. Ans.(a)

Sol.

Let the manufacturing price is Rs. MP

$$MP \times \frac{105}{100} \times \frac{110}{100} \times \frac{115}{100} = 5313$$

$$MP = \text{Rs. } 4000$$

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S11. Ans.(e)

Sol.

$$\frac{16.5}{100} \times 1400 + \frac{115}{100} \times 1210 = 231 + 1391$$

$$= 1622 \approx 1620$$

S12. Ans.(c)

Sol.

$$35 \times 16 + 70 = 560 + 70 \approx 630$$

S13. Ans.(b)

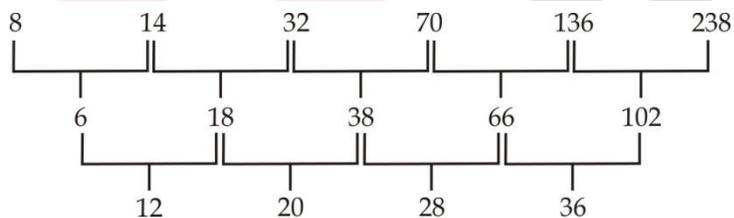
Sol.

$$18 \times 12 + 23 \times 15$$

$$216 + 345 \approx 560$$

S14. Ans (d)

Sol.



S15. Ans (a)

Sol.  $\times 0.5, \times 1, \times 1.5, \times 2, \times 2.5$ .....

$$\therefore 78 \times 2.5 = 195$$

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