**Course: IBPS RRB Prelims**

**Subject: Data Interpretation**

**Time:10 Minutes**

**Published Date: 22nd August 2020**

**Directions (1-5):** following bar graph show the marks scored by 3 student in 4 different subjects. Study the graph carefully and answer the question. (Max. mark in each subject is 200)

Q1. What is the percentage marks scored by Abhishek?

1. 62.25%
2. 61%
3. 60%
4. 61.25%
5. 65%

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q2. What is the ratio of total marks scored by Rahul to the total marks scored by Atul?

1. 50:51
2. 25:26
3. 23:24
4. 1:1
5. 6:13

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q3. What is difference between the average marks scored in maths and average marks scored in physical education?

1. 20
2. 30
3. 40
4. 50
5. 45

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q4. Marks score by Rahul in socials is what percent more than that by Abhishek in maths?

1. 40%
2. 55%
3. 50%
4. 45%
5. 60%

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q5. Total marks scored by Rahul is how much more than the total marks scored by Abhishek?

1. 20
2. 10
3. 30
4. 15
5. 40

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

**Directions (6- 10):** The given graph provides the data of production of wheat (in lakh tonnes) by three different agricultural farms A, B and C over the years. Study the graph carefully to answer the questions that follow.

Q6. What is the average production (in lakh tonnes) of wheat all over the year in farm B?

(a) 65

(b) 54

(c) 56

(d) 58

(e) 62

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q7. Total production of farm C is what percent (approx.)of the half of quantity of wheat produced by farms A and B together all over the years?

(a) 100%

(b) 91%

(c) 102%

(d) 96%

(e) 104%

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q8. What is the ratio of production of wheat in farms A and B together in 2015 to that of C in 2017 and 2018 together?

(a) 22 : 27

(b) 25 : 22

(c) 27 : 25

(d) 27 : 22

(e) None of these

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

Q9. The quantity of wheat produced by farm B, C in years 2014 & 2017 together is what percent more or less than that of farms A in 2014 & 2015?

(a) 80%

(b) 90%

(c) 100%

(d) 85%

(e) 76%

L1Difficulty 2

QTags Bar Graph DI

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Q10. What is the difference between the total production of wheat in 2015 in all farms together and total production of wheat by farm B in all over the year? (in lakh tonnes)

(a) 85

(b) 65

(c) 80

(d) 90

(e) 95

L1Difficulty 2

QTags Bar Graph DI

QCreator Deepak Rohilla

**Directions (11-15):** Study the following graph carefully to answer the questions that follow:

Number of Girls and Boys participating in a rally from five different schools

Q11. What is the total number of girls participating in the rally from schools A and C together?

(a) 825

(b) 875

(c) 950

(d) 975

(e) 925

L1Difficulty 2

QTags Line Graph DI

QCreator Deepak Rohilla

Q12. The number of boys participating in the rally from school B is what percent of the total number of children participating in the rally from that school? (Rounded off to two digits after decimal.)

(a) 48.84 %

(b) 47.37 %

(c) 49.28 %

(d) 46.46 %

(e) None of these

L1Difficulty 2

QTags Line Graph DI

QCreator Deepak Rohilla

Q13. The number of girls participating in the rally from School E is approximately what percent of the number of boys participating in the rally from the same school?

(a) 81 %

(b) 106 %

(c)122 %

(d) 98 %

(e) 114 %

L1Difficulty 2

QTags Line Graph DI

QCreator Deepak Rohilla

Q14. What is the respective ratio of total number of girls participating in the rally from schools D and C together to the total number of boys participating in the rally from schools A and B together?

(a) 23 : 18

(b) 43 : 35

(c) 41 : 38

(d) 21 : 20

(e) 39 : 40

L1Difficulty 2

QTags Line Graph DI

QCreator Deepak Rohilla

Q15. What is the average number of girls participating in the rally from all schools together?

(a) 500

(b) 460

(c) 525

(d) 505

(e) 650

L1Difficulty 2

QTags Line Graph DI

QCreator Deepak Rohilla

**Solutions**

S1. Ans(d)

Sol. percentage marks scored by Abhishek =$\frac{80+140+120+150}{800}×100=61.25$%

S2. Ans(a)

Sol. total marks scored by Rahul = $160+60+120+160=500$

Total marks scored by Atul = $\left(120+140+110+140\right)=510$

Required ratio = 500:510 = 50 : 51

S3. Ans(b)

Sol. Average marks scored in maths = $\frac{\left(80+160+120\right)}{3}=120$

Average marks scored in Physical education = $\frac{\left(150+160+140\right)}{3}=150$

Required difference = 150 – 120 = 30

S4. Ans(c)

Sol. required percentage = $\frac{120-80}{80}×100$ = 50%

S5. Ans(b)

Sol. required difference = 500 – 490 = 10 marks

S6. Ans (c)

Sol. Required average $=\frac{45+60+40+75+60}{5}=56 lakh tonnes$

S7. Ans (c)

Sol. Required % $=\frac{300}{\frac{1}{2}×590}×100=\frac{6000}{59}=101.69\%$

S8. Ans (d)

Sol. Required ratio $=\frac{75+60}{40+70}=\frac{135}{110}=27 :22$

S9. Ans (e)

Sol. Required % $=\frac{\left(45+60+75+40\right)-\left(50+75\right)}{\left(50+75\right)}×100=\frac{220-125}{125}×100$

 $=\frac{9500}{125}=76\%$

S10. Ans (b)

Sol. Required difference $=\left(45+60+40+75+60\right)-\left(75+60+80\right)$

 $=280-215=65 lakh tonnes$

**S11. Ans.(e)**

**Sol.** Required number = 450 + 475 =925

**S12. Ans.(a)**

**Sol.** Required percentage $=\frac{525}{525+550}×100=48.84\%$

**S13. Ans.(c)**

**Sol.** Required percentage $=\frac{550}{450}×100=122\%$(approx)

**S14. Ans.(e)**

**Sol.** Total number of girls participating in the rally from schools D and C together = 475 + 500 =975

Total number of boys participating in the rally from schools A and B together = 475 + 525 = 1000

Required ratio= 975: 1000 = 39: 40

**S15. Ans.(d)**

**Sol.** Required average $=\frac{450+550+475+500+550}{5}=505$