

## Data Interpretation (IBPS PO MAINS)

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**Directions (1-5): Study the following information carefully and answer the questions given below:**

In a college there are 1400 students who are doing graduation in any one of the subjects, out of the five different subjects viz. zoology, Botany, Mathematics, Physics and Statistics. The ratio of the number of boys and girls among them is 6:8. 30% of the total girls are doing graduation in Zoology and 20% of the total girls are doing graduation in Statistics. The total number of students doing graduation in Botany is 220. 250 students are doing graduation in Mathematics. The ratio of the number of girls and the number of boys doing graduation in Statistics is 2:1. 20% of the total number of boys are doing graduation in Botany. The ratio of the number of girls and that of boys doing graduation in Mathematics is 2:3. There are an equal number of boys and girls doing graduation in Physics. 290 students are doing graduation in Zoology.

**1. What is the total number of students doing graduation in physics and Statistics together?**

1. 510
2. 540
3. 640
4. 620
5. 660

**2. What is the ratio of the number of boys doing graduation in Mathematics and to a number of girls doing graduation in Botany?**

1. 1:2
2. 3:1
3. 3:4
4. 3:2
5. 2:1

**3. What is the difference between the number of boys doing graduations in Zoology and the number of girls doing graduation in Mathematics?**

1. 50
2. 75
3. 60
4. 45
5. 55

**4. In which of the following graduation courses, the number of the girls the highest and in which course is the number of boys is second lowest respectively?**

1. Statistics and Zoology
2. Zoology and Botany
3. Physics and Statistics
4. Zoology and Statistics
5. Physics and Zoology

**5. The number of girls doing graduation in Statistics is what percent of the number of boys doing graduation in physics?**

1. 76%
2. 75%

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- 3. 80%
- 4. 81%
- 5. 78%

**Directions (Q6-10):** The following information is about the production of cars by 3 different companies from Monday to Friday in a specific week. Read the information carefully and answer the following question:—

The total production by 3 companies on Monday was 540 out of which 100/3% cars were produced by Tata. The number of cars produced by Renault on Monday is less than the cars produced by Tata on Monday by the same extent as the number of cars produced by Maruti on Monday is more than the cars produced by Tata on Monday. The difference between cars produced by Renault and Maruti on Monday is 40.

150 cars are produced by Tata on Tuesday, which is 100 less than the cars produced by the same company on Wednesday. A total of 910 cars were produced by Tata from Monday to Friday. The ratio between cars produced by Tata on Thursday to cars produced by the same company on Friday is 5 : 6.

220 cars were produced by Renault on Tuesday, which is 80 less than the cars produced by Maruti on Wednesday. A total of 570 cars were produced on Tuesday, which is 76% of the total cars produced on Wednesday. The number of cars produced by Maruti on Thursday is 200/3% more than cars produced by Tata on the same day. Total 580 cars were produced on Thursday. The number of cars produced by Maruti on Friday is same as that on Monday. 140 cars were produced by Renault on Friday.

**Q6. Find the ratio between total cars produced on Monday to that on Wednesday.**

- (a) 18 : 29
- (b) 18 : 25
- (c) 18 : 31
- (d) 3 : 5
- (e) None of these

**Q7. Find the total number of cars produced by Renault from Monday to Friday.**

- (a) 900
- (b) 980
- (c) 950
- (d) 960
- (e) None of these

**Q8. Find the average number of cars produced per day by Maruti from Monday to Friday. (approximate)**

- (a) 250
- (b) 220
- (c) 270
- (d) 240
- (e) 230

**Q9. On which pair of days out of the following, the number of cars produced by Tata is the same?**

- (a) Tuesday and Wednesday

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- (b) Wednesday and Thursday
- (c) Tuesday and Thursday
- (d) Monday and Wednesday
- (e) Monday and Tuesday

**Q10. On which day the total number of cars produced was the maximum?**

- (a) Monday
- (b) Tuesday
- (c) Wednesday
- (d) Thursday
- (e) Friday

**Directions (11-15): Read the following information carefully and answer the questions given below it:**

Out of the total number of 7800 girls in a college, 15% are good at dancing and 20% of the number of girls good at dancing are also good in studies. 5% of the total number of girls in the college are good at drawing and 10% of the girls good at drawing are also good in studies. 35% of the total number of girls in the college are good at cooking and 20% of the girls good at cooking are also good in studies; also, 30% of the girls good at cooking are good at dancing but not good in studies. 10% of the total number of girls in the college are good only at singing. 25% of the total number of girls in the college are good at sports and 16% of the number of girls good at sports are also good at studies. Rest of the girls from the college are only good at studies.

**Q11. How many girls from the college are good at dancing ?**

- (a) 1755
- (b) 1989
- (c) 1170
- (d) 1898
- (e) None of these

**Q12. How many girls from the college are good only at cooking ?**

- (a) 2730
- (b) 2184
- (c) 1365
- (d) 1545
- (e) None of these

**Q13. How many girls from the college are good at drawing but not in studies?**

- (a) 351
- (b) 380
- (c) 400
- (d) 390
- (e) None of these

**Q14. How many girls from the college are good at studies ?**

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- (a) 1851
- (b) 780
- (c) 1911
- (d) Data inadequate
- (e) None of these

**Q15. How many girls from the college are good only at singing ?**

- (a) 780
- (b) 750
- (c) 700
- (d) 800
- (e) None of these

**Directions (16-20): Study the following data carefully and answer the questions given below :**

A survey conducted on 1200 villages shows that 25% of the total villages have only adequate water supply. 15% of the total number of villages have proper supply of electricity only. 7% of the total number of villages have only proper education facilities. 12% of the total number of villages have telecommunication services only. 16% of the total number of villages have proper healthcare services only. 6% of the total number of villages have adequate water as well as supply of electricity. 8% of the total number of villages have adequate supply of water, supply of electricity well as healthcare services. 5% of the total number of villages have proper supply of electricity, telecommunication services as well as healthcare services and 6% of the total number of villages have all the facilities.

**Q16. How many villages in all have adequate water supply ?**

- (a) 430
- (b) 450
- (c) 540
- (d) 810
- (e) None of these

**Q17. How many villages in all have adequate supply of water as well as electricity ?**

- (a) 36
- (b) 108
- (c) 72
- (d) 120
- (e) None of these

**Q18. How many villages in all do not have proper supply of electricity ?**

- (a) 720
- (b) 850
- (c) 920
- (d) 1080
- (e) None of these

**Q19. How many villages have only proper education facilities ?**

- (a) 108

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- (b) 84
- (c) 36
- (d) 72
- (e) None of these

**Q20. How many villages have all the facilities ?**

- (a) 90
- (b) 126
- (c) 144
- (d) 72
- (e) None of these

ANSWER KEY:-

- 1)3    2)4    3)1    4)4    5)3    6)b    7)a    8)e    9)c    10)c  
11)b    12)c    13)a    14)c    15)a    16)c    17)e    18)a    19)b    20)d