

G.S.C.E

Chapter Covered Simplification and Data Interpretation
(50 Questions with Options, Answers and Explanations)

Directions (1-5): The following table shows the percentage of marks obtained by five students in six different subjects. Answer the following questions based on this table.

Students	Maths (200)	Biology (75)	Hindi (100)	English (100)	Physics (75)	Chemistry (50)
Ajay	67%	42%	49%	72%	84%	32%
Kavita	58%	84%	77%	79%	68%	66%
Neeraj	63%	78%	56%	89%	62%	74%
Rohit	72%	60%	46%	92%	72%	56%
Mamta	66%	54%	68%	63%	54%	44%

Q1. What is the average marks scored by all students in Maths?

- 1) 130.4
- 2) 120.4
- 3) 128.5
- 4) 68.5
- 5) 125

Q2. What is the total marks scored by Rohit in all subjects together ?

- 1) 405
- 2) 409
- 3) 419
- 4) 400
- 5) 397

Q3. What is 20% of the difference between the total marks obtained by Mamta in Maths & Biology together and that obtained by her in Hindi and English together?

- 1) 11.25
- 2) 31.8
- 3) 8.3
- 4) 12.5
- 5) 13.7

Q4. What is the ratio between marks scored by Ajay in Maths and Hindi to the Kavita in the same subjects?

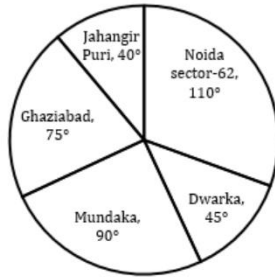
- 1) 116 : 135
- 2) 120 : 115
- 3) 135 : 116
- 4) 120 : 157
- 5) None of these

Q5. Marks scored by Rohit in Chemistry is how much more or less than the marks scored by him in Biology?

- 1) 23
- 2) 25
- 3) 15
- 4) 13
- 5) 17

Directions (6-10): the pie-chart given below shows the angular distribution (in degrees) of students to whom various centers for IBPS RRB PO were allotted. The table shows the ratio of boys and girls in them. Study the graphs carefully to answer the following questions.

Total students = 1,08,000



Centres	Boys : Girls
Noida sector-62	6 : 5
Dwarka	2 : 1
Mundaka	3 : 2
Ghaziabad	4 : 1
Jahangir Puri	5 : 3

Q6. Find the average no. of boys from the centers Noida sector-62 and Mundaka.

- 1) 12,600
- 2) 16,100
- 3) 18,100
- 4) 17,100
- 5) 15,100

Q7. Total no. of boys from center Ghaziabad is how much percent more than the total no. of boys from center Jahangir puri?

- 1) 160%
- 2) 140%
- 3) 80%
- 4) 120%
- 5) 180%

Q8. What is the difference between total no. of girls from Centers Dwarka and Ghaziabad together and total no. of girls from centers Mundaka and Jahangir puri together?

- 1) 7300
- 2) 8300
- 3) 6300
- 4) 5300
- 5) 4700

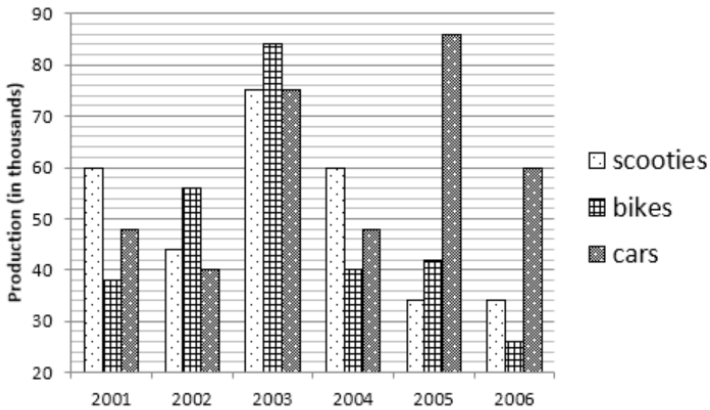
Q9. If biometric finger print of 6% students of Noida sector 62 center was mis-matched out of which 33% were girls, then find the total no. of boys whose finger prints were mis-matched from center Noida sector-62

- 1) 1620
- 2) 1430
- 3) 1220
- 4) 1320
- 5) 1240

Q10. Total no. of girls from centers Noida sector 62 and Dwarka together are what percent of total no. of girls from centers Ghaziabad and Jahangir puri together?

- 1) 216%%
- 2) 216%%
- 3) 212%%
- 4) Can't determined
- 5) 210%%

Directions (11–15) Given below is the bar graph showing the production (in thousands) of scooties, bikes and cars by a company, the table shows the percent of these vehicles exported. Read the graphs carefully and answer the following questions:



Percent of vehicles exported:-

Years	Scooties	Bikes	Cars
2001	35	40	30
2002	25	35	25
2003	45	25	30
2004	20	10	15
2005	15	20	25
2006	10	25	35

Q11. Total vehicles exported in 2005 is what percent of total production in the same year? (round off to 2 decimal places)

- 1) 21.42%
- 2) 21.52%
- 3) 21.6%
- 4) 21.85%
- 5) 21.32%

Q12. Export of bikes in 2001 and 2002 together is approximately what times of the export of cars in 2005 and 2006 together.

- 1) 0.82
- 2) 0.85
- 3) 0.88
- 4) 0.91
- 5) 0.94

Q13. The export of bikes is 3rd highest in which year?

- 1) 2001
- 2) 2002
- 3) 2003
- 4) 2004
- 5) 2005

Q14. What is the average export of cars from 2001 to 2004?

- 1) 13575
- 2) 13565
- 3) 13555
- 4) 13545
- 5) None of these

Q15. Find the difference between the average production in time period 2001 – 2003 and the average production in the time period 2004 – 2006.

- 1) 30000
- 2) 35000
- 3) 40000
- 4) 45000
- 5) 50000

16. Question

$$(3024 \div 189)^{\frac{1}{2}} + (684 \div 19)^2 = (?)^2 + 459$$

- 1) 27
- 2) 29
- 3) 31
- 4) 841
- 5) 1089

17. Question

$$4.4 \text{ times of } \frac{5}{16} \text{ of } 30\% \text{ of } 216 = ?$$

- 1) 81.9
- 2) 83.7
- 3) 87.3
- 4) 89.1
- 5) 85.7

18. Question

$$(1.06 + 0.04)^2 - ? = 4 \times 1.06 \times 0.04$$

- 1) 1.0402
- 2) 1.4
- 3) 1.5
- 4) 1.032
- 5) none of these

19. Question

$$\frac{0.538 \times 0.5380 - 0.462 \times 0.462}{1 - 0.924} = ?$$

- 1) 2
- 2) 1.08
- 3) 0.076
- 4) 0.987
- 5) 1

20. Question

$$27^2 \times 6 + 9 + 7^3 + 71 = (?)^3 - 431$$

- 1) 11
- 2) 13^3
- 3) 13
- 4) 11^2
- 5) 11^3

Q21: The total number of females are what percent of the total number of males in the organization?

Percentage of employees in different departments of a company
Total No. of employees = 4500



Percentage of employees in different departments of a same company
Total No. of females employees = 2000



- 1) 90
- 2) 70
- 3) 80
- 4) 60
- 5) None of these

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Q: What is the respective ratio of number of employees in Administrative department to the number of males in the same department?

- 1) 9:4
- 2) 8:3
- 3) 7:2
- 4) 8:5
- 5) None of these

Q23 :The number of females in the Marketing department are approximately what percent of the total employees in marketing and customer Relation department together?

- 1) 26
- 2) 36
- 3) 6
- 4) 46
- 5) 16

24Q:What is the ratio of number of males in HR Department to the number of males in Accounts department respectively?

- 1) 3:17
- 2) 4:15
- 3) 2:15
- 4) 2:13
- 5) None of these

25Q Study the following graph carefully and answer the question that follow.What is the total number of males from Design, Customer Relation and HR departments together?

- 1) 1550
- 2) 1510
- 3) 1540
- 4) 1580
- 5) None of these

26QWhat approximate value should come at place of the question mark(?) in the following question?

$$\sqrt[3]{5332} = ?$$

- 1) 8
- 2) 38
- 3) 58
- 4) 68
- 5) 18

27Q:What approximate values should come in place of the question mark(?) in the following question?

$$\sqrt{2228} = ?$$

- 1) 57
- 2) 47
- 3) 67
- 4) 37
- 5) 27

28Q: What approximate value should come in place of the question mark(?) in the following question. $635 \times 455 \div 403 = ?$

- 1) 735
- 2) 795
- 3) 695
- 4) 685
- 5) 715

29 Q What approximate value should come in place of the question mark(?) in the following question? $5223 \div 36 \times 0.93 = ?$

- 1) 135
- 2) 125
- 3) 145
- 4) 155
- 5) 115

30. Q: Simplification the following equations shown below

$$(7921 \div 178) - 5.5 = \sqrt{?}$$

- 1) 1512
- 2) 1521
- 3) 1251
- 4) 1531
- 5) None of these

31Q: Simplification the following equations

$$(5863 - \sqrt{2704}) \times 0.5 = ?$$

- 1) 2955.5
- 2) 2905.5

- 3) 2590.5
- 4) 2905.5
- 5) None of these

32 Q: What should come place of the question mark(?) in the following number series?
17, 18, 26, 53, 117, ?, 458

- 1) 342
- 2) 142
- 3) 257
- 4) 262
- 5) 242

33 Q: What will come in place of question mark(?) in the following number series?
11, 57, 149, 333, 701 (?)

- 1) 1447
- 2) 1347
- 3) 1368
- 4) 1437
- 5) None of these

34Q. Q: $\frac{2}{3}$ is what percent of $\frac{1}{3}$ =?

- 1) 50%
- 2) 70%
- 3) 50%
- 4) 200%

35Q $\left(\frac{31570x^2}{5}\right) = ?$

- 1) 202
- 2) 232
- 3) 242
- 4) 332

36Q The square root of 64009 is :

- 1) 253
- 2) 347
- 3) 363
- 4) 803

37Q The digit in the unit's place in the square root of 15876 is :

- 1) 2
- 2) 4
- 3) 6
- 4) 8

38Q $\left(\frac{31570x^2}{5}\right) = ?$

- 1) 1.05
- 2) 1.25
- 3) 1.45
- 4) 1.55

39Q The value of $\left(\frac{31570x^2}{5}\right)$ is ?

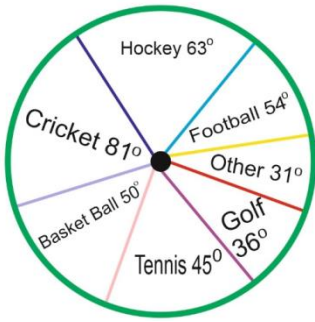
- 1) 0.02
- 2) 0.2
- 3) 0.51
- 4) 0.63

40Q The value of $\left(\frac{31570x^2}{5}\right)$ is

- 1) 0.011
- 2) 0.11
- 3) 0.347
- 4) 1.1

41Q

Direction: The circle-graph given here shows the spending of a country on various sports during a particular year. Study the graph carefully and answer the question given below it.

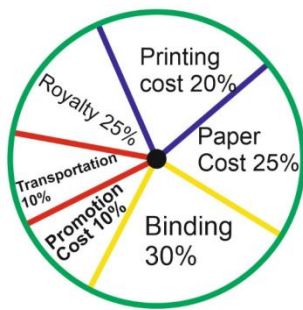


What percent of the total spending is spent on Tennis?

- 1) $12\frac{1}{2}\%$
- 2) $22\frac{1}{2}\%$
- 3) 25%
- 4) 45%

Direction (Question 42 to 50): The following pie-chart shows the percentage distribution of the expenditure incurred in published a book. Study the pie-chart and answer the question based on it.

VARIOUS EXPENDITURES (IN PERCENTAGE) INCURRED IN PUBLISHING A BOOK



Q42. If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be the amount of royalty to be paid for these books?

- (A) Rs. 19,450
- (B) Rs. 21,200
- (C) Rs. 22,950
- (D) Rs. 26,150

Q.43. The price of the book is marked 20% above the C.P. If the market price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the books?

- (A) Rs. 36
- (B) Rs. 37.50
- (C) Rs. 42
- (D) Rs. 44.25

Q.44. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

- (A) 15°
- (B) 24°
- (C) 54°
- (D) 48°

Q.45. For an edition of 12,500 copies, the amount of Royalty paid by the publisher is Rs. 2,18,250. What should be the selling price of the book if the publisher desires a profit of 5%?

- (A) Rs. 152.50
- (B) Rs. 157.50
- (C) Rs. 162.50
- (D) Rs. 167.50

Q.46. Which two expenditures together have a central angle of 108° ?

- (A) Binding Cost and Transportation Cost
- (B) Printing Cost and Paper Cost
- (C) Royalty and Promotion Cost
- (D) Binding Cost and Paper Cost

Q.47. If 5500 copies are published and the transportation cost on them amounts to Rs. 82,500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?

- (A) Rs. 187.50
- (B) Rs. 191.50
- (C) Rs. 175
- (D) Rs. 180

Q.48. If the difference between the two expenditures is represented by 18° in the pie-chart, then these expenditures possibly are:

- (A) Binding Cost and Promotion Cost
- (B) Paper Cost and Royalty
- (C) Binding Cost and Printing Cost
- (D) Paper Cost and Printing Cost

Q.49. Royalty on the book is less than the printing cost by :

(A) 5%

(B) $33\frac{1}{3}\%$

(C) 20%

(D) 25%

Q.50. If for an edition of the book, the cost of paper is Rs. 56250, then find the promotion cost for this edition?

- (A) Rs. 20,000
- (B) Rs. 22,500
- (C) Rs. 25,500
- (D) Rs. 28,125

For Any Query please feel free to contact 9874021370 time 10am-6pm(Mon-Sat)