#### INTERPRETATION DATA ANALYSIS AND

Directions (Qs. 1 to 5) : What approximate value will come in place of the question mark (?) in the following questions ?

32.05% of 259.99 = ? 1. (2) 88 (3) 78 (1) 92 (5) 83 (4) 90  $\frac{1}{8}$  of  $\frac{2}{3}$  of  $\frac{3}{5}$  of 1715 = ? (2) 85 80 (3) 90 (1)(5) 75 (4) 95 25.05 × 123.95 + 388.999 × 3. 15.001 = ?(1) 900 (2) 8950 (4) 8975 (3) 8935 (5) 8995 561 ÷ 35.05 × 19.99 = ? 4. (2) 330 (1) 320 (4) 325 (3) 315 (5) 335  $(15.01)^2 \times \sqrt{730} = ?$ 5. (2) 6225 (1) 6125 (3) 6200 (4) 6075 (5) 6250 Directions (Qs. 6 to 10) : In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number. 3601 3602 1803 604 154 6. 36 12 (1) 3602 (2) 1803 (4) 154 (3) 604 (5) 36 4 12 42 196 1005 6066 42511 7. (2) 42 (1) 12 (4) 196 (3) 1005 (5) 6066 2 8 12 20 30 42 56 8. (1) 8 (2) 42

(3) 30 (4) 20 12 (5) 32 16 24 65 210 945 5197.5 9. (2) 16 (1)945 (3) 24 (4) 210 (5) 65 10. 7 13 25 49 97 194 385 (2) 49 (1) 13 (4) 194 (3) 97

(5) 25

11. Mr. X invested a certain amount in Debit and Equity Funds in the ratio of 4:5 respectively. At the end of one year, he earned a total dividend of 30% on his investment. After one year he reinvested the amount including dividend in the ratio of 6:7 in Debt and Equity Funds. If the amount reinvested in Equity Funds was Rs. 94,500, what was the original amount invested in Equity Funds ? (1) Rs. 75,000 (2) Rs. 81,000 (3) Rs. 60,000 (4) Rs. 65,000 (5) None of these 12. Father's age is 30 years more than the son's age. Ten years hence the father's age will become three times the son's age that time. What is son's present age in years? (1) 8(2) 7(3) 5 (4) Cannot be determined (5) None of these 13. If the length of a rectangular field is increased by 20% and the breadth is reduced by 20%, the area of the rectangle will be 192 m<sup>2</sup>. What is the area of the original rectangle? (2) 196 m<sup>2</sup> (1) 184 m<sup>2</sup> (4) 225 m<sup>2</sup> (3) 204 m<sup>2</sup> (5) None of these 14. Product of one-third of a number and 150% of another number is what percent of the product of original number ? (2) 50 (1) 80 (4) 120 (3) 75 (5) None of these 15. Inside a square plot a circular garden is developed which exactly fits in the square plot and the diameter of the garden is equal to the side of the square plot which is 28 metres. What is the area of the space left out in the square plot after developing the garden? (1) 98 m<sup>2</sup> (2) 146 m<sup>2</sup> (4) 168 m<sup>2</sup>

(3) 84 m<sup>4</sup> (5) None of these

16. Amit and Sujit together can complete an assignment of data entry in 5 days. Sujit's speed is 80% of Amit's speed and the total key depressions in the assignment are 5,76,000. What is Amit's speed in key depressions per hour if they work for 8 hours a day?

(1) 4800

- (2) 6400
- (3) 8000
- (4) 7200
- None of these (5)

17. Out of 5 girls and 3 boys, 4 children are to be randomly selected for a quiz contest. What is the probability that all are girls ?

(1) (2)(3) (4)

(5) None of these

18. Profit earned by an organization is distributed among officers and clerks in the ratio of 5 : 3 respectively. If the number of officers is 45 and the number of clerks is 80 and the amount received by each officer is Rs. 25,000, what was the total amount of profit earned ?

- (1) Rs. 22 lakhs
- (2) Rs. 18.25 lakhs
- (3) Rs. 18 lakhs
- (4) Rs. 23.25 lakhs
- (5) None of these

19. A shopkeeper labelled the price of his articles so as to earn a profit of 30% on the cost price. He then sold the articles by offering a discount of 10% on the labelled price. What is the actual percent profit earned in the deal ?

- (1) 18%
- (2) 15%
- (3) 20%
- (4) Cannot be determined
- (5) None of these

20. Mr. Shamin's salary increases every year by 10% in June. If there is no other increase or reduction in the salary and his salary in June 2011 was Rs. 22,385, what was his salary in June 2009 ?

- (1) Rs. 18,650
- (2) Rs. 18,000
- (3) Rs. 19,250
- (4) Rs. 18,500
- (5) None of these

Directions (Qs. 21 to 25) : In each of these questions, one question is given followed by data in three Statements I, II and III. You have to study the question and the data in

statements and decide the question can be answered with data in which of the Statements and mark your answer accordingly.

21. What is the rate of interest p.c.p.a. ? Statements :

- Difference between the compound interest and simple interest earned in two years on the amount invested is Rs. 100.
- becomes II. The amount Rs. 19,500 in three years on simple interest.
- III. Simple interest accrued in two years on the same amount at the same rate of interest is Rs. 3,000.
- (1) Only I and II
- (2) Only I and III
- (3) Only II and III
- (4) Only I and either II or III
- (5) None of these
- 22. What is the speed of the train in
- kmph. ?

## Statements :

- I. The train crosses an 'x' metre long platform in 'n' seconds.
- II. Length of the train is 'y' metres.
- III. The train crosses a signal pole in 'm' seconds.
- (1) Any two of the three
- (2) Only II and III
- (3) Only I and III
- (4) All I, II and III
- (5) Question cannot be answered even with information in all three statements.
- 23. How many students passed in first class ?

# Statements :

- I. 85% of the students who examination appeared in have passed either in first class or in second class or in pass class.
- II. 750 students have passed in second class.

- III. Number of students passed in pass class is 28% of those passed in second class.
- (1) All I, II and III
- (2) Only I and III
- (3) Only II and III
- (4) Question cannot be answered even with information in all three statements
- (5) None of these
- 24. What is the amount invested in Scheme 'B' ?

Statements :

- The amounts invested in 'A' and I. 'B' are in the ratio of 2 : 3 respectively.
- II. Amount invested in Scheme 'A' is 40% of the total amount invested.
- III. Amount invested in Scheme 'A' is Rs. 45,000.
- (1) Only I and II
- (2) Only I and III
- (3) Only II and III
- (4) All I, II and III
- (5) Only III and either I or H
- 25. What is the cost of flooring the

## rectangular hall ?

### Statements :

- Length of the rectangle is Ι. 6 metres.
- II. Breadth of the rectangle is two-thirds of its length.
- III. Cost of flooring the area of 100 cm<sup>2</sup> is Rs. 45.
- (1) Only I and III
- (2) Only II and III
- (3) All I, II and III
- (4) Question cannot be answered with data in all three statements
- (5) None of these

Directions (Qs. 26 to 33) : Study the following graph carefully to answer these questions.

Percent Profit Earned by Two Companies Producing Electronic Goods over the Years



YEAR

26. If the profit earned in 2006 by Company B was Rs. 8,12,500 what was the total income of the Company in that year ?

- (1) Rs. 12,50,000 (2) Rs. 20,62,500
- (3) Rs. 16,50,000 (4) Rs. 18,25,000
- (5) None of these

27. If the amount invested by the two Companies in 2005 was equal, what was the ratio between total income in 2005 of the Companies A and B respectively ?

- (2) 33 : 31 (1) 31:33
- (4) 14 : 11 (3) 34:31
- (5) None of these

28. If the total amount invested by the two Companies in 2009 was Rs. 27 lakhs, while the amount invested by Company B was 50% of the amount invested by Company A, what was the total profit earned by the two Companies together ?

- (1) Rs. 21.15 lakhs (2) Rs. 20.70 lakhs
- (3) Rs. 18.70 lakhs (4) Rs. 20.15 lakhs
- (5) None of these

29. If the incomes of Company A in 2007 and 2008 were equal and the amount invested in 2007 was Rs.12 lakhs, what was the amount invested in 2008 ?

- (1) Rs. 10,87,500
- (2) Rs. 10,85,700
- (3) Rs. 12,45,000
- (4) Rs. 12,85,000
- (5) None of these

30. If the amount of profit earned by Company A in 2006 was Rs. 10.15 lakhs, what was the total investment ?

- (1) Rs. 13.8 lakhs
- (2) Rs. 14.9 lakhs
- (3) Rs. 15.4 lakhs
- (4) Rs. 14.2 lakhs
- (5) None of these

31. If the amount invested by Company B in 2004 is Rs. 12 lakhs and the income of 2004 is equal to the investment in 2005, what was the amount of profit earned in 2005 by Company B?

- (1) Rs. 6.6 lakhs
- (2) Rs. 18.6 lakhs
- (3) Rs. 10.23 lakhs
- (4) Rs. 9.6 lakhs
- (5) None ol these

32. If the investments of Company A in 2007 and 2008 were equal, what is the difference between profit earned in two years if the income in 2008 was Rs. 24 lakhs ?

- (1) Rs. 2.25 lakhs
- (2) Rs. 3.6 lakhs
- (3) Rs. 1.8 lakhs
- (4) Rs. 2.6 lakhs
- (5) None of these
- 33. If each of the Companies A and

B invested Rs. 25 lakhs in 2010, what was the average profit earned by the two Companies ?

- (1) Rs. 18 lakhs
- (2) Rs. 22.5 lakhs
- (3) Rs. 17.5 lakhs
- (4) Rs. 20 lakhs
- (5) None of these

Directions (Qs. 34 to 40) : Study the following table carefully and answer the questions which follow.

Number of Candidates found Eligible and the Number of Candidates Short-listed for Interviews for a recent Recruitment Process for Six Posts from Different States

I		II		III		IV		V		VI	
E	S	_	S	Е	S	E	S	E	S	E	S
	_		240	5200	76	3600	200	4600	110	5400	380
						6200	320	5800	180	6200	430
							440	7300	310	3700	250
							350	3900	160	4800	360
								6100	260	7800	520
									220	8800	640
	-								410	2700	200
	2800 2400 3000 4800	2500653200220280028024008530001204800325	E         S         E           2500         65         7200           3200         220         8500           2800         280         4500           2400         85         4800           3000         120         5600           4800         325         6400	2500657200240320022085004202800280450035024008548002003000120560028048003256400320	E         S         E         S         E           2500         65         7200         240         5200           3200         220         8500         420         8400           2800         280         4500         350         7600           2400         85         4800         200         2600           3000         120         5600         280         3800           4800         325         6400         320         4400	E         S         E         S         E         S           2500         65         7200         240         5200         76           3200         220         8500         420         8400         190           2800         280         4500         350         7600         160           2400         85         4800         200         2600         55           3000         120         5600         280         3800         75           4800         325         6400         320         4400         220	E         S         E         S         E         S         E           2500         65         7200         240         5200         76         3600           3200         220         8500         420         8400         190         6200           2800         280         4500         350         7600         160         8200           2400         85         4800         200         2600         55         7500           3000         120         5600         280         3800         75         6800           4800         325         6400         320         4400         220         4700	E         S         E         S         E         S         E         S           2500         65         7200         240         5200         76         3600         200           3200         220         8500         420         8400         190         6200         320           2800         280         4500         350         7600         160         8200         440           2400         85         4800         200         2600         55         7500         350           3000         120         5600         280         3800         75         6800         280           4800         325         6400         320         4400         220         4700         180	E         S         E         S         E         S         E         S         E           2500         65         7200         240         5200         76         3600         200         4600           3200         220         8500         420         8400         190         6200         320         5800           2800         280         4500         350         7600         160         8200         440         7300           2400         85         4800         200         2600         55         7500         350         3900           3000         120         5600         280         3800         75         6800         280         6100           4800         325         6400         320         4400         220         4700         180         4900	E         S         E         S         E         S         E         S           2500         65         7200         240         5200         76         3600         200         4600         110           3200         220         8500         420         8400         190         6200         320         5800         180           2800         280         4500         350         7600         160         8200         440         7300         310           2400         85         4800         200         2600         55         7500         350         3900         160           3000         120         5600         280         3800         75         6800         280         6100         2600           4800         325         6400         320         4400         220         4700         180         4900         220	E         S         C         S         G         S         G         S

E-Eligible

S-Short-listed

34. From State 'B', which post had the highest percentage of candidates short-listed ?

(2) IV (3) VI (1) V

(5) None of these II (4)35. Approximately, what is the average number of candidates found eligible from all States for Post III ? (3) 4200

(1) 6700 (2) 6200

(5) 5500 4500  $(\mathbf{4})$ 

36. What is the overall percentage (rounded off to one digit after decimal) of candidates short-listed over the total number of candidates eligible from all the States together for Post I ?

(3) 7.2% (2) 12.5% (1) 9.5%

(5) None of these (4) 6.5%

37. What is the ratio between total number of candidates short-listed for all the posts together from States E and G respectively ?

- (2) 73:79 (1) 307:369
- (3) 6:5

(5) None of these

38. Total number of candidates found eligible from all States together for Post is approximately what percent of the total number of candidates found eligible from all States together for Post VI ?

(4) 9:7

(3) 60

(2) 50 (1) 45

(5) 65 (4) 55

39. Which State had the lowest percentage of candidates short-listed over eligible for Post IV ?

(3) E (2) F (1) G

(5) None of these 4) C

40. What is the ratio between total number of candidates short-fisted from all States together for posts V and VI respectively ?

- (2) 55 : 96 (1) 6:7
- (4) 16 : 25 (3) 165 : 278

(5) None of these

Directions (Qs. 41 to 45) : These questions are based on the following data. Study it carefully and answer the questions that follow.

In a school having 400 students boys and girls are in the ratio of 3:5

respectively. The students speak Hindi, English or both the languages. 12% of the boys speak only Hindi, 22% of the girls speak only English. 24% of the total students speak only Hindi and the number of boys speaking both the languages is six times the number of boys speaking only Hindi.

41. Total how many boys speak Hindi ? (2) 126 (3) 108 (1) 18 (5) None of these 26 (4)42. How many girls speak only Hindi ? (2) 117 (3) 96 (1) 55 (5) None of these 78 (4) 43. Total how many students speak English ? (3) 225 (1) 304 (2) 79 (5) None of these (4) 117 44. Number of girls speaking only Hindi is what percent of the total number of students speaking only Hindi?

(2) 71.8 (1) 38.2

(4) 78 (3) 31.2

(5) None of these

45. What is the respective ratio between the number of boys and girls speaking both the languages ?

- (1) 23:25
- (2) 12:25
- (3) 12:13
- (4) 25:13
- (5) None of these

Directions (Qs. 46 to 50) : Study the information given in each of these questions and then answer the questions.

46. Area of the circle is 616 cm<sup>2</sup>. What is the area of the rectangle ? ('dot' indicates centre of the circle)



- (2) 196 cm<sup>2</sup> (1) 784  $cm^2$
- (3) 392 cm<sup>2</sup>
- (4) Cannot be determined
- (5) None of these
- **Population** in Millions 47.

City	Total Population	Male Population		
A	12	6.5		
В	15	7.2		
C	17	9.0		
D	19	9.9		
E	22	10.8		

What is the average female population in million ?

(1) 8.32 (2) 8.86 (3) 8.68

(5) None of these (4) 9.12

48. What is the percent rise in production in 2007 from 2006 ? (Rounded off to two digits after decimal)



(5) None of these

(3) 3.65

(5) None of these

49. Out of the total 550 students, how many students did not prefer Maths or Economics ?

Break-up of students having preference for each subject

