

Quantitative Analysis

Q1. (b) 112

$$\begin{array}{r} \text{Q2. (b) } 30 \text{ ----- } 390 \\ 70 \text{ ----- } \frac{390 \times 70}{30} = 910 \end{array}$$

Q3. (b)

A	B	C	D
2	3	3	
<u>4</u>	<u>4</u>	<u>5</u>	
8	12	15	15
<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>
16			15

Q4. (a) 400

Q5. (c) let investment of P=100
Investment P:Q:R=> 100:200:300
PSR of P:Q:R=> 1:1:1
Rs share = $\frac{1}{3} \times 10500 = 3500$

Q6. (a) $\frac{\text{HCF of num}}{\text{LCM of deno}} = \frac{1}{165}$

Q7. (c) $\text{LCM} \times \text{HCF} = \text{Product of 2 number}$
 $36 \times \text{HCF} = 3024$ HCF=84

Q8. (a) 1 5 7 6 3 $\div 2 \times 9$
 $1+5+7+6+3 = 22+5=27$ $15673+5 = 15678$

Q9. (b) By option 3988 (b)

Q10. (c) $\frac{1}{2} : \frac{1}{3} : \frac{1}{4} = \frac{6:4:3}{12} = 6:4:3$ LCM=12

Q11. (a) $\frac{14-13}{13-12.5} = \frac{1}{.5} = \frac{2}{1} = 2:1$

Q12. (b) 30 years

Q13. (c) $\frac{1}{40} + \frac{1}{60} = \frac{5}{120} = 24 \text{ days}$

Q14. (c) $60 \times \frac{5}{18} = 16 \frac{2}{3} \text{ m/s}$

Q15. (b) $63 \times \frac{5}{18} = \frac{300}{T} \Rightarrow T = 32 \text{ sec}$

Data Interpretation

(Qs. 16-22)

16. (a) The graph depicts the no. of vehicles passing through a point of a city at different time slots in a day on the basis of this we cannot obtain the no. of two-wheeler & cars in the city. Hence option (c) is ruled out. Option (d) is absurd. Option (b) is uncertain.

17. (d) The table shows information about the time slot 08:00-09:00. We cannot determine the no. of vehicles passing

through the point during 08:00-08:30.



18. (b)

Time slot	No. of buses passed
08:00-09:00	1500
09:00-10:00	1000+1208=2208
06:00-07:00	Cannot be said
18:00-19:00	1010+1010=2020

19. (d)

Slot no.	No. of vehicles passed
13	27440
14	25392
3	27529
5	29560

20. (b) Required number of persons = $1510 \times 60 + 15050 \times 2.5 + 8000 \times 1.5 + 5000 \times 2 = 90600 + 37623 + 12000 + 10000 = 1,50,225$

21. (c) Total number of cars passing during the time slot $1000+1600+15050+3000+3047+6899=27996$
Hence average number of cars passing per hour = $27996 \div 6 = 4666$

22. (d)

Vehicle	No. of vehicles passed from 1800-2200
Trucks	3009
Buses	5337
Cars	22257
Two-wheelers	23346
Auto-rickshaw	23044

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(Qs.23-27)

23. (d) from visual observation. Sale of pap-up was the maximum in the year 1989.

24. (a) Average annual sale of dew – drop = $\frac{10+15+25+15+30+25}{6} = 20$ lakhs

Average annual sale of cool-sip = $\frac{25+7+20+20+25+30}{6} = 21.16$ lakhs
Average annual sale of pap-up = $\frac{30+35+30+25+20+20}{6} = 26.66$ lakhs

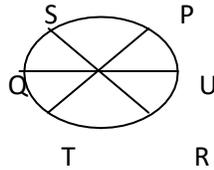
25. (c) Required % = $\frac{25-20}{20} \times 100 = 25\%$

26. (d) Required no. = $(30-20)$ lakhs = 10,00,000

27. (c) Required % drop = $\frac{35-30}{35} \times 100 = 14\%$

Logical Reasoning

(Q. 28-31) : After interchanging the positions of S with U, and T with Q as per information, we have the sitting arrangement as given in figure



28. (d) It is clear from the figure that P is to the left of S.

29. (a) T is sitting to the left of R.

30. (a) T is sitting opposite to P.

31. (b) S is sitting opposite to R.

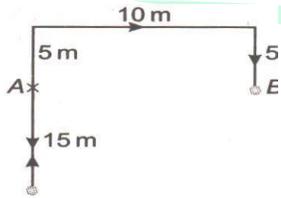
(Q. 32-33) : On the basis of information, we have the arrangement of the Dancers in a line as under :



32. (c) Dancer Geeta is to the extreme right of the line.

33. (c) Charul is third from the left.

Q34. (d) From the figure, it is clear that Anoop starts his journey from Point A and finishes his journey at Point B. It can be seen that Point B is at a distance of 10 m from Point A and in East direction.



Q35. (d) Letters of the word INSTITUTION have been just reversed in the coded word. Hence, PERFECTION will be coded as NOITCFREP So, option (d) is the correct answer.

36. (c) Method used to form the series is

$(1)^3 + 1, (2)^3 + 1, (3)^3 + 1, (4)^3 + 1,$

Therefore, the missing number is $(5)^3 + 1 = 126$

(Q. 37-40)

Subjects	Botany	Zoology	Geology	Chemistry	Physics	X	Maths
Days	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Sun.
Persons	M P	N	O	Q		L	

From information (II) and (IV), we conclude that L will demonstrate on the last day, i.e., Sunday. Since Chemistry immediately follows Geology, Chemistry and Geology will be demonstrated on Thursday and Wednesday respectively. Rest day will be on Saturday and hence, Q will demonstrate on Friday.

37. (c) Since rest day is after Q's demonstration day, hence rest day will be on Saturday.

38. (a) After substituting all the given information in the table, we find that only one subject is left over with a blank space on Monday.

Hence, Botany will be demonstrated on Monday.

39. (d) Demonstration of Chemistry is held just before Physics and hence, the answer is Physics.

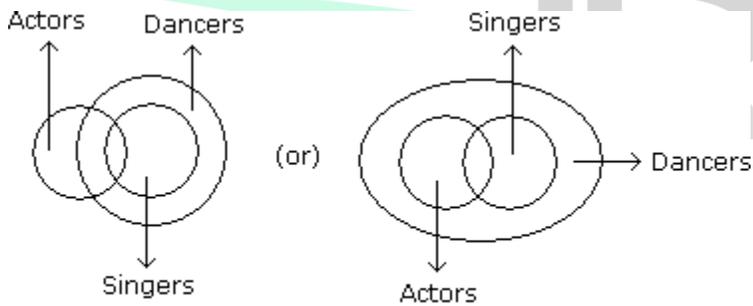


40. (d) From the table, we find that Q demonstrates Physics.

Reading Comprehension And Verbal Ability

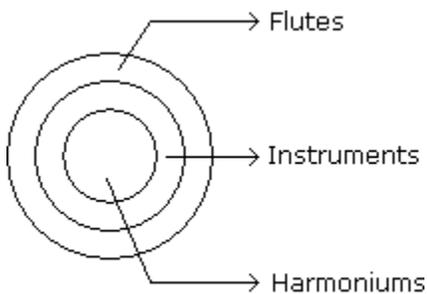
- 41. (c)
- 42. (c)
- 43. (b)
- 44. (d)
- 45. (b)
- 46. (c)
- 47. (a)
- 48. (b)
- 49. (c)
- 50. (b)
- 51. (a)
- 52. (d)
- 53. (d)
- 54. (b)
- 55. (d)
- 56. (a)
- 57. (d)

58. (a)



Only (1) follows.

59. (b)



Only (2) follows.

60. (d)

According to the statement, 80% of the total runs were made by spinners. So, I does not follow. Nothing about the

opening batsmen is mentioned in the statement. So, II also does not follow.



61. (a)

Clearly, I directly follows from the given statement. Also, it is mentioned that old ideas are replaced by new ones, as thinking changes with the progressing time. So, II does not follow.

62. (a)

Clearly, India can export only the surplus and that which can be saved after fulfilling its own needs, to pay for its imports. Encouragement to export cannot lead to shortages as it shall provide the resources for imports. So, only argument I holds.

63.(a)

Clearly, health of the citizens is an issue of major concern for the Government. So, a product like drugs, must be first studied and tested in the Indian context before giving licence for its sale. So, only argument I holds strong.

64. (e)

Clearly, prevention from mosquitoes and elimination of mosquitoes are two ways to prevent malaria. So, both the courses follow.

65. (b)

In the break-out of a natural calamity, the basic duty of the government becomes to provide the basic amenities essential to save the lives of people and cattle. Providing financial assistance to all would put undue burden on the country's resources. So, only II follows.

Sports Awareness (66-90)

66. [B] Manish Pandey

67. [C] Chess

68. [C] Basket Ball

69. [B] Golf

70. [A] Viswanathan Anand

71. [C] Union of European Football Associations

72. [C] England

73. [B] Jag Mohan Dalmiya

74. [A] Boost

75. [C] Chasers

76. [C] 2001

77. [A] Abhinav Bindra

78. [B] Chess

79. [C] North Korea

80. [B] Panjim

81. [A] Alibaba group

82. [D] Cristiano Ronald

83. [B] Lionel Messi

84. [A] Cricket

85. [C] Australia

86. [B] Foot ball

87. [D] Football Team

88. [C] KD Jadhav

89. [A] ICC Cricketer of the Year Awards

90. [D] Dronacharya Award





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