

Infosys mock-1

- Q1. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is:
- (a) 625 (b) 630 (c) 640 (d) 650
- Q2. If the number 653 xy is divisible by 90, then $(x + y) = ?$
- (a) 2 (b) 3 (c) 4 (d) 6
- Q3. A train 240 m long passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?
- (a) 65 sec (b) 89 sec (c) 100 sec (d) 150 sec
- Q4. If 6th March, 2005 is Monday, what was the day of the week on 6th March, 2004?
- (a) Sunday (b) Saturday (c) Tuesday (d) Wednesday
- Q5. A, B and C enter into a partnership in the ratio $\frac{7}{2} : \frac{4}{3} : \frac{6}{5}$. After 4 months, A increases his share 50%. If the total profit at the end of one year be Rs. 21,600, then B's share in the profit is:
- (a) Rs. 2100 (b) Rs. 2400 (c) Rs. 3600 (d) Rs. 4000
- Q6. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?
- (a) 30% (b) 70% (c) 100% (d) 250%
- Q7. A fruit seller had some apples. He sells 40% apples and still has 840 apples. Originally, he had:
- (a) 1588 apples (b) 1200 apples (c) 1272 apples (d) 1400 apples
- Q8. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks were 56% of the sum of their marks. The marks obtained by them are:
- (a) 39 30 (b) 41, 32 (c) 42, 33 (d) 43, 34
- Q9. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?
- (a) 120 m (b) 240 m (c) 300 m (d) None of these
- Q10. Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?
- (a) 3.6 (b) 6 (c) 18 (d) Cannot be determined (e) None of these
- Q11. A sum of Rs. 1360 has been divided among A, B and C such that A gets $\frac{2}{3}$ of what B gets and B gets $\frac{1}{4}$ of what C gets. B's share is:
- (a) Rs. 120 (b) Rs. 160 (c) Rs. 240 (d) Rs. 300

Q12. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- (a) 15 (b) 16 (c) 18 (d) 25

Q13. What was the day of the week on 28th May, 2006?

- (a) Thursday (b) Friday (c) Saturday (d) Sunday

Q14. An industrial loom weaves 0.128 metres of cloth every second. Approximately, how many seconds will it take for the loom to weave 25 metres of cloth?

- (a) 178 (b) 195 (c) 204 (d) 488

Q15. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is:

- (a) 100 kmph (b) 110 kmph (c) 120 kmph (d) 130 kmph

Q16. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- (a) 12 days (b) 15 days (c) 16 days (d) 18 days

Q17. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1600 each on 1st January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is:

- (a) Rs. 120 (b) Rs. 121 (c) Rs. 122 (d) Rs. 123

Q18. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

- (a) Rs. 4991 (b) Rs. 5991 (c) Rs. 6001 (d) Rs. 6991

Q19. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

- (a) 0 (b) 1 (c) 10 (d) 19

Q20. The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 1 : 2 ?

- (a) 4 (b) 8 (c) 16 (d) None of these

Q21. 66 cubic centimetres of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be:

- (a) 84 (b) 90 (c) 168 (d) 336

Q22. $(1000)^9 \div 10^{24} = ?$

- (a) 10000 (b) 1000 (c) 100 (d) 10 (e) None of these

Q23. A number when divided successively by 4 and 5 leaves remainders 1 and 4 respectively. When it is successively divided by 5 and 4, then the respective remainders will be

- (a) 1, 2 (b) 2, 3 (c) 3, 2 (d) 4, 1

Q24. The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:

- (a) 276 (b) 299 (c) 322 (d) 345

Q25. The price of 2 sarees and 4 shirts is Rs. 1600. With the same money one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay ?

- (a) Rs. 1200 (b) Rs. 2400 (c) Rs. 4800 (d) Cannot be determined (e) None of these

Q26. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with remaining meal?

- (a) 20 (b) 30 (c) 40 (d) 50

Q27. Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is:

- (a) 9 (b) 11 (c) 13 (d) 15

Q28. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

- (a) Brother (b) Sister (c) Nephew (d) Cannot be determined

Q29. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- (a) Brother (b) Nephew (c) Uncle (d) Son-in-law

Q30. Statements: Some actors are singers. All the singers are dancers.

Conclusions:

1. Some actors are dancers.
2. No singer is actor.

- (a) Only (1) conclusion follows (b) Only (2) conclusion follows (c) Either (1) or (2) follows
(d) Neither (1) nor (2) follows (e) Both (1) and (2) follow

Q31. Find the missing term in the given series : 120, 99, 80, 63, 48, ?

- (a) 35 (b) 38 (c) 39 (d) 40

Q32. Find the missing term in the series : 1, 2, 3, 6, 9, 18, ?, 54

- (a) 18 (b) 27 (c) 36 (d) 81

Q33. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

- (a) East (b) West (c) North (d) South

Q34. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?

- (a) Rs. 4, Rs. 23 (b) Rs. 13, Rs. 17 (c) Rs. 15, Rs. 14 (d) Rs. 17, Rs. 13

Q35. An institute organised a fete and $\frac{1}{5}$ of the girls and $\frac{1}{8}$ of the boys participated in the same. What fraction of the total number of students took part in the fete ?

- (a) $\frac{2}{13}$ (b) $\frac{13}{40}$ (c) Data inadequate (d) None of these

Directions (36-40) : The following pie-chart shows the sources of funds to be collected by the National Highways Authority of India (NHAI) for its Phase II projects. Study the pie-chart and answers the question that follow.

Sources of funds to be arranged by NHAI for Phase II projects (in crores Rs.)



Q36. Near about 20% of the funds are to be arranged through:

- (a) SPVS (b) External Assistance (c) Annuity (d) Market Borrowing

Q37. If NHAI could receive a total of Rs. 9695 crores as External Assistance, by what percent (approximately) should it increase the Market Borrowing to arrange for the shortage of funds?

- (a) 4.5% (b) 7.5% (c) 6% (d) 8%

Q38. If the toll is to be collected through an outsourced agency by allowing a maximum 10% commission, how much amount should be permitted to be collected by the outsourced agency, so that the project is supported with Rs. 4910 crores?

- (a) Rs. 6213 crores (b) Rs. 5827 crores (c) Rs. 5401 crores (d) Rs. 5316 crores

Q39. The central angle corresponding to Market Borrowing is:

- (a) 52° (b) 137.8° (c) 187.2° (d) 192.4°

Q40. The approximate ratio of the funds to be arranged through Toll and that through Market Borrowing is

- (a) 2 : 9 (b) 1 : 6 (c) 3 : 11 (d) 2 : 5

Answer key

1	A	9	B	17	B	25	B	33	C
2	C	10	B	18	A	26	B	34	B
3	B	11	C	19	D	27	D	35	C
4	A	12	B	20	B	28	D	36	B
5	D	13	D	21	A	29	A	37	C
6	B	14	B	22	B	30	A	38	C
7	D	15	C	23	B	31	A	39	C
8	C	16	B	24	C	32	B	40	B