

Tech Mahindra mock-2

Q1. Nikki, who is Ronny's daughter, says to Indle, "Your mother Reggie is the youngest sister of my father, who is the third child of Jack ." How is Jack related to Indle? (Jack is male)

- (a) Maternal uncle (b) Father-in-law (c) Grandfather (d) Father

Q2. If we code TOM CRUISE as "TOC" and JACK HURLEY as "JAH". What should ANGEL WINSLET be coded as?

- (a) ANW (b) ANB (c) ANE (d) ANS

Q3. If Bike is coded as '64', CAR is coded as '27' and TRUCK is coded as '125' then TRACTOR is coded as:

- (a) 242 (b) 232 (c) 452 (d) 343

Q4. Consider the following statements and determine which of the given conclusions follow.

Statements:

- a. Some girls are thieves.
- b. All thieves are cons.

Conclusions:

- I. Some girls are cons.
- II. All cons are girls.

- (a) Only I follows (b) Only II follows (c) Both I and II follow (d) Neither I nor II follow

Q5. Tom walks 6 km east. Then he turns to his right and walks 10 km. He turns to his right and walks 6 km. He then turns left and walks 15 km. At what distance and in which direction is he from the starting point?

- (a) 21 kilometers, South (b) 15 kilometers, South (c) 21 kilometers, North (d) 25 kilometers, South

Q6. Parvesh travels 15m towards the north, turns right, and travels 20m. Then turns left and travels 5m. How far is he from the starting point and in which direction?

- (a) 20 m, North- East (b) $20\sqrt{2}$ m, North-East (c) $30\sqrt{2}$ m, North (d) None of these

Q7. Which of the given options should fill in the blank?

JWE, KRG, LNI, MKK, ____, OHO

- (a) NOK (b) NKI (c) NIM (d) NIO

Q8. In the series below determine the order of the letters. Then from the given options select the one which will complete the given series.

___, ayw, gec, mki, sqo

- (a) awx (b) usq (c) prs (d) lmn

Q9. A, B, C, D, E, F and G members of a family consisting of four adults and three children, 2 of them being girls, namely F and G. A and D are brothers and A is a dentist. E is a teacher married to one of the brothers and has two children. B is married to D and G is their only child. Which of the following are the two cousins?

- (a) F and G (b) C and B (c) D and G (c) C and F

Q10. What will be the code for "here" if "here is the sword" is coded as "ka na po che" and "ancient civilization lived here" is coded as "la va you ka"?

- (a) la (b) na (c) Va (d) Ka

Q11. Consider the following statements and determine which of the given conclusions follow.

Statements:

- a. All jets are phones.
- b. Some phones are chairs.

Conclusions:

- I. Some jets are chairs.
- II. Some chairs are jets.
- III. Some chairs are phones.

- (a) Only II and III follow (b) Only I and II follow (c) All follow (d) Only III follows

Q12. If the second alphabet in each of the words is changed to the previous alphabet in the English alphabetical order, how many words having no vowels will be formed?

- (a) None (b) One (c) Two (d) Three (e) Four

Q13. If in each of the words, all the alphabets are arranged in English alphabetical order within the word, how many words will begin with a vowel ?

- (a) One (b) Two (c) Three (d) More than 3

Q14. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be second from the right ?

- (a) MET (b) ARK (c) MOB (d) SKI (e) URN

Q15. Statements: All bottles are glasses. No cup is a glass.

Conclusions: I. No bottle is a cup

II. Atleast some glasses are bottles

- (a) only conclusion I follows. (b) only conclusion II follows (c) either conclusion I or II follows.
(d) neither conclusion I nor conclusion II follows. (e) both conclusion I and conclusion II follows.

Q16. Statements: All windows are doors. All entrances are windows. No gate is a door.

Conclusions: I. Atleast some windows are gates

II. No gate is an entrance

- (a) only conclusion I follows. (b) only conclusion II follows. (c) either conclusion I or II follows.
(d) neither conclusion I nor II follows. (e) both conclusion I and II follows.

DIRECTIONS for the question 17-18: Study the following information to answer the given questions:

Eight people are sitting in two parallel rows containing four people each, in such a way that there is an equal distance between adjacent persons. In row 1- A, B, C and D are seated (but not necessarily in the same order) and all of them are facing south. In row 2 - E, F, G and H are seated (but not necessarily in the same order) and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

G sits second to right of E. The one who faces E sits to the immediate right of C. A faces the immediate neighbour of E. H sits to immediate left of the person who faces D. H does not sit at an extreme end of the line.

Q17. Who amongst the following faces A?

- (a) E (b) F (c) G (d) H (e) Cannot be determined

Q18. Who amongst the following faces the person who sits exactly between G and E ?

- (a) A (b) B (c) C (d) D (e) Can't Determine

Q19. In a certain code PAUSE is written as OBVTD and SHIFT is written as RUGS. How will THINK be written in the same code?

- (a) UGHML (b) SIJOJ (c) SILOJ (d) SIJQJ (e) SIJOL

Q20. If R = 36 and Pro = 98, then how will you code FILE?

- (a) 19 (b) 110 (c) 64 (d) 54

Q21. A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in:

- (a) 5 days (b) 6 days (c) 10 days (d) 10.5 days

Q22. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

- (a) 45 km/hr (b) 50 km/hr (c) 54 km/hr (d) 55 km/hr

Q23. On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

- (a) Rs. 45 (b) Rs. 50 (c) Rs. 55 (d) Rs. 60

Q24. 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

Q25. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years?

- (a) 1 : 3 (b) 1 : 4 (c) 2 : 3 (d) Data inadequate (e) None of these

Q26. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

- (a) No profit, no loss (b) 5% (c) 8% (d) 10% (e) None of these

Q27. Robert is travelling on his cycle and has calculated to reach point A at 2 P.M. if he travels at 10 kmph, he will reach there at 12 noon if he travels at 15 kmph. At what speed must he travel to reach A at 1 P.M.?

- (a) 8 kmph (b) 11 kmph (c) 12 kmph (d) 14 kmph

Q28. A car travelling with $\frac{5}{7}$ of its actual speed covers 42 km in 1 hr 40 min 48 sec. Find the actual speed of the car.

- (a) $17\frac{6}{7}$ km/hr (b) 25 km/hr (c) 30 km/hr (d) 35 km/hr

Q29. 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

Q30. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate?

- (a) Rs. 2160 (b) Rs. 3120 (c) Rs. 397 (d) Rs. 6240 (e) None of these

Q31. A car owner buys petrol at Rs.7.50, Rs. 8 and Rs. 8.50 per litre for three successive years. What approximately is the average cost per litre of petrol if he spends Rs. 4000 each year?

- (a) Rs. 7.98 (b) Rs. 8 (c) Rs. 8.50 (d) Rs. 9

Q32. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- (a) 18 (b) 24 (c) 42 (d) 81

Q33. A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

- (a) 23 years (b) 34 years (c) 45 years (d) None of these

Q34. A girl counted in the following way on the fingers of her left hand : She started by calling the thumb 1, the index finger 2, middle finger 3, ring finger 4, little finger 5 and then reversed direction calling the ring finger 6, middle finger 7 and so on. She counted upto 1994. She ended counting on which finger ?

- (a) Thumb (b) Index finger (c) Middle finger (d) Ring finger

Q35. A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?

- (a) 45 (b) 60 (c) 75 (d) 90

Q36. The G.C.D. of 1.08, 0.36 and 0.9 is:

- (a) 0.03 (b) 0.9 (c) 0.18 (d) 0.108

Q37. 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) 60% (b) 70% (c) 80% (d) 90%

Q38. The least number which should be added to 2497 so that the sum is exactly divisible by 5, 6, 4 and 3 is:

- (a) 3 (b) 13 (c) 23 (d) 33

Q39. A pump can fill a tank with water in 2 hours. Because of a leak, it took $2\frac{1}{3}$ hours to fill the tank. The leak can drain all the water of the tank in:

- (a) $4\frac{1}{3}$ hour (b) 7 hours (c) 8 hours (d) 14 hours

Q40. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is:

- (a) 3 km/hr (b) 5 km/hr (c) 8 km/hr (d) 9 km/hr

Answer key

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