

Tech Mahindra mock-1

Q1. A shopkeeper gives a discount of 25% on a toy and earns a profit of 25% if he gives a 10% discount only then what will be the profit percentage

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

Q2. Aryan's mother is 6 times older than Aryan, after 6 years she will be 3 times of Aryan's age, what is Aryan's present age ?

- (a) 4 years (b) 5 years (c) 10 years (d) 7 years

Q3. The average age of five friends is 80 years while the average age of some other 10 friends is 65 years. The average age of all the 15 friends is:

- (a) 77 years (b) 70 years (c) 72 years (d) 75 years

Q4. A trader mixes 42 kg of salt at Rs. 15 per kg, with 30 kg of salt of Rs. 16 per kg, and sells the mixture at Rs. 20 per kg, find his profit percent.

- (a) 30.52% (b) 29.72% (c) 27.23% (d) 29.32%

Q5. The distance between Agra and Kanpur is 778 kms. A train covers the journey from Agra to Kanpur at 84 km per hour and return back to Agra with a uniform speed of 56 km per hour . find the average speed of the train during the whole journey

- (a) 50 kmph (b) 67.2 kmph (c) 65 kmph (d) 60 kmph

Q6. The average score of a Kohli for ten matches is 30 runs. If the average for the first six matches is 40, then find the average for the last four matches.

- (a) 12 kmph (b) 17 kmph (c) 15 kmph (d) 35 kmph

Q7. Sachin is 40 years old and Vijay is 60 years old. How many decades ago was the proportion of their ages 3 : 5?

- (a) 10 (b) 20 (c) 30 (d) 40

Q8. A milkman purchases the milk at x rs per litre, after adding 2 litres of water in every 6y litres of milk, he sells the milk at 2x rs per litre, find his profit percentage

- (a) 124.63% (b) 150.51% (c) 166.66% (d) 170.82%

Q9. 1 Decade ago, Karthik's mother was quadrice older than her son. After one decade, the mother will be two times older than her son. The current age of Karthik is?

- (a) 10 years (b) 30 years (c) 20 years (d) 40 years

Q10. Father's age today is three times as his daughter's. After 10 years it would be just twice. What is the daughter's age today?

- (a) 40 years (b) 30 years (c) 20 years (d) 10 years

Q11. Two years ago the average age of a family of 8 members was 18 years. After the addition of a baby, the average age of family remains the same today. What is the age of the baby?

- (a) 1 year (b) 2 years (c) 4 years (d) 3.5 years

Q12. An article when sold at a gain of 5% yields Rs. 15 more than when sold at a loss of 5%. The cost price of the article is:

- (a) Rs. 200 (b) Rs. 150 (c) Rs. 80 (d) Rs. 64

Q13. If X gets 25% more than Y and Y gets 20% more than Z, the share of Z out of Rs. 740 will be:

- (a) Rs. 300 (b) Rs. 200 (c) Rs. 240 (d) Rs. 350

Q14. In a mixture of 35 litres the ratio of milk and water is 4 : 1. If 7 litres of water is added to the mixture, the ratio of milk to water in the resultant mixture will become :

- (a) 2 : 3 (b) 3 : 2 (c) 2 : 1 (d) 1 : 2

Q15. What will be the income tax payable by a person getting a taxable income of Rs. 30,000 during the year if the first Rs. 18000 is not taxable and the tax rates are 25% of the next Rs. 12000 ?

- (a) Rs. 3000 (b) Rs. 3250 (c) Rs. 3500 (d) Rs. 3750

Q16. 10 men can finish a piece of work in 10 days whereas it takes 12 women to finish it in 10 days. If 15 men and 6 women undertake to complete the work, how many days will they take to complete the work?

- (a) 2 (b) 4 (c) 5 (d) 11

Q17. A merchant marks his wares 40% more than the real price and allows 20% discount. His profit is:

- (a) 20% (b) 18% (c) 16% (d) 12%

Q18. A train 280 metres long is moving at 60 kms per hour. The time taken by the train to cross a platform 220 metres long is:

- (a) 20 seconds (b) 25 seconds (c) 30 seconds (d) 35 seconds

Q19. A person spends 40% of his salary on food, 25% on house rent, 15% on entertainment and 5% on conveyance. If his savings at the end of the month is Rs. 1200, then his salary per month in rupees is:

- (a) 4000 (b) 6000 (c) 8000 (d) 10000

Q20. The average of 7 consecutive numbers is 33. The highest of these numbers is:

- (a) 28 (b) 30 (c) 33 (d) 36

Q21. Find the odd number out :- 1050, 510, 242, 106, 46, 16, 3 ?

- (a) 1050 (b) 510 (c) 242 (d) 106

Q22. Pointing to a man, a lady told his father is her mother's uncle. How it's the man related to the lady?

- (a) Uncle (b) Father (c) Brother (d) Father-in-law

Q23. Find the best alternative:

PETAL : FLOWER

- (a) Salt : Pepper (b) Tire : Bicycle (c) Base : Ball (d) Sandals : Shoes

Q24. Find the best alternative:

SIAMESE : CAT

- (a) Type : Breed (b) Dog : Puppy (c) Mark : Spot (d) Romain : Lettuce

Q25. Company 'Y' will improve the manufacturing facilities for the production of shaving kits as a result of which capacity would increase and cost would be reduced. - A spokesperson of the company 'Y' .

Conclusions:

I. The products of company 'Y' will compete the market norms in the quality and cost factor.

II. There will be demand of shaving kits of company 'Y'.

- (a) If only conclusion I follows (b) If only conclusion II follow
(c) If either I or II follow (d) If neither I nor II follow

Q26. What should come in place of question mark (?) in the following number series?

3, 12, 7, 26, 15, ?

- (a) 54 (b) 27 (c) 108 (d) 31

Q27. X, Y are brother and sister. C, D are wife and husband, X is son of C. F is sister of D. How is Y related to F?

- (a) Daughter (b) Sister (c) Niece (d) Mother

Q28. Find the best alternative:

SLAPSTICK : LAUGHTER

(a) Fallacy : Dismay (b) Genre : Mystery (c) Horror : Fear (d) Satire : Anger

Q29. What is the next number in the series 70,54,45,41?

(a) 40 (b) 35 (c) 34 (d) 32

Q30. She is the only daughter of my father's grandson's father. This is how sia was introduced by Ram. How is Sia related to Ram?

(a) Mother-in-law (b) Aunt (c) Wife (d) Daughter

Q31. If UNIFORM is coded as MROFINU, then ORPHAN is coded as?

(a) ZENCITIY (b) HANORP (c) NAHPRO (d) APROHN

Q32. Statements:

Some dancers are actors.

All the Actors are not singers.

Conclusions:

All dancers are actors.

No dancer is a singer.

(a) Only (1) conclusion follows (b) Neither (1) nor (2) follows
(c) Either (1) or (2) follows (d) Only (2) conclusion follows

Q33. If TABLE is coded as WDEOH, then POOR is coded as?

(a) SRRU (b) EWWL (c) LGGN (d) TYR

Q34. Complete the series, 1, 4, 9, 16, 25, ?

(a) 25 (b) 30 (c) 33 (d) 36

Q35. M, the son-in-law of N is the brother-in-law of O who is the brother of P. How is O related to N?

(a) Daughter (b) Aunt (c) Sister (d) Nephew (e) None of these

Q36. Three person X, Y, and Z gave these statements:

X said either Red Party or White Party won the elections.

Y said Red Party won.

Z said neither Red Party nor White Party won the elections.

Of these persons, only one person is wrong. Who won the elections?

(a) Red Party (b) White Party (c) Data Inadequate (d) None of the above

Q37. A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was

(a) 8 (b) 12 (c) 16 (d) 24

Q38. 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

Q39. Among the family members M1, M2, M3, M4 and M5 all with different heights, M2 is taller than only M5. M3 is not the tallest in the family. M1 is taller than M2 but shorter than M3. Who among them will be in the middle if they stand in the increasing order of their heights?

- (a) M1 (b) M3 (c) M5 (d) Cannot be determined

Q40. Four girls are sitting on a bench, to be photographed. All are facing North. Amy is to the left of Tia. Gracia is to the right of Tia. Sandra is between Tia and Gracia. Who would be the second from the left in the photograph?

- (a) Sandra (b) Tia (c) Amy (d) Gracia

Answer key

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