

KPMG Mock test-1

Q1. 1 If $x + y + z = 6$ and $1/x + 1/y + 1/z = 3$, then the value of $x/y + y/x + y/z + z/y + x/z + z/x$ is:

- (a) 9 (b) 10 (c) 12 (d) 15

Q2. The total cost of 8 buckets and 5 mugs is Rs. 92 and the total cost of 5 buckets and 8 mugs is Rs. 77. Find the cost of 2 mugs and 3 buckets. A.

- (a) Rs. 35 (b) Rs. 70 (c) Rs. 30 (d) Rs. 38

Q3. If $(a + 2)^2 + (b - 1)^2 + (c + 3)^2 = 0$, then the value of $a + b + c$ is:

- (a) 0 (b) -6 (c) 6 (d) 12

Q4. A, B, and C started a business. A invested Rs. 6000 for the entire year, B invested Rs. 8000 for the first 6 months and then withdrew half of his investment. C invested a certain amount for 8 months. If the profit share of A is Rs. 1800 and the total profit at the end of the year is Rs. 6000, what was C's investment?

- (a) Rs. 4500 (b) Rs. 5400 (c) Rs. 6000 (d) Rs. 7200

Q5. A shopkeeper purchased 96 identical shirts @ Rs. 220/- each. He spent Rs. 3800/- on transport and packing and fixed a marked price of Rs. 450/- each shirt. However, he decided to give discount of 20% on the marked price of each shirt. If he could sell all the shirts, what is the approximate percent profit earned by him?

- (a) 44 (b) 39 (c) 33 (d) 31 (e) 30

Q6. A fruit vendor bought 120 mangoes for Rs. 600. He spent Rs. 100 on transportation. He sold 80 mangoes at Rs. 8 each and the remaining mangoes at Rs. 5 each. What is his approximate profit percentage?

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

Q7. If $a/(1-a) + b/(1-b) + c/(1-c) = 1$ then the value of $1/(1-a) + 1/(1-b) + 1/(1-c)$ is:

- (a) 1 (b) 3 (c) 4 (d) 0

Q8. The value of $(4+3\sqrt{3})/(7+4\sqrt{3})$ is:

- (a) $5\sqrt{3} - 8$ (b) $5\sqrt{3} + 8$ (c) $8\sqrt{3} + 5$ (d) $8\sqrt{3} - 5$

Q9. A & B started a business together by investing Rs. 36000/- and Rs. 42000/- respectively. Both of them invested for one year whereas after 6 months from the start C joined them by investing a certain amount. If they earned an annual profit of Rs. 39,200/- out of which C's share is Rs. 7350/-. What is the investment of C?

- (a) Rs. 24000/- (b) Rs. 36000/- (c) Rs. 27000/- (d) Rs. 33000/- (e) Rs. 30000/-

Q10. What are the marks obtained by Harish in Maths?

I. Average marks obtained by Harish in Maths and economics are 83.

II. Average marks obtained by Harish in Maths and statistics are 92.

(a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

(b) The data in both the statements I & II together are necessary to answer the question.

(c) The data either in statement I alone or in statement II are sufficient to answer the question.

(d) The data in both the statements I & II together are insufficient to answer the question.

(e) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Q11. A trader sells soaps in economy packs of four soaps per pack, each pack being charged at the listed price of three soaps. For every set of five such packs bought by a customer, the trader gives him one extra soap as a free gift. If a customer buys 12 economy packs, what is the effective percentage of discount that he gets.

(a) 28%

(b) $28\frac{4}{7}\%$

(c) 4%

(d) $35\frac{5}{7}\%$

(e) None of these

Q12. A shopkeeper after allowing two successive discounts of 20% and $16\frac{2}{3}\%$ on the marked price, earns a profit of 25% on selling the book. Find the ratio of cost price to the marked price of a book?

(a) 4 : 9

(b) 2 : 5

(c) 3 : 5

(d) 6 : 11

(e) 8 : 15

Q13. By what percent is Rajesh's salary more/less than Mangesh's ?

I. Salary of Rajesh is Rs. 12000/-.

II. Salary of Rajesh and Mangesh together is Rs 28000/-.

(a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

(b) The data in both the statements I & II together are necessary to answer the question.

(c) The data either in statement I alone or in statement II are sufficient to answer the question.

(d) The data in both the statements I & II together are insufficient to answer the question.

(e) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Q14. What is the strength of MBA institute where students study only HR, Marketing and Finance ?

I. Number of students studying HR, Marketing and Finance are in the ratio of 2 : 3 : 5 respectively.

II. Number of students studying Marketing is more than those studying HR by 800.

- (a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) The data either in statement I alone or in statement II alone are sufficient to answer the question.
- (c) The data in both the statements I & II together are necessary to answer the question.
- (d) The data in statement II alone are sufficient to answer the question, while the data in statement I alone not sufficient to answer the question.
- (e) The data in both the statements I & II together are insufficient to answer the question.

Directions for questions (15-17): Read the following information carefully and answer the questions given below.

A three-generation family consists of eight members i.e., U, V, W, X, D, E, F and G in which three are married couples. V is the father of F. E is the mother of V. W is the sister-in-law of G. G is the mother-in-law of D. F is the grandson of U who is the father-in-law of G. X is the brother-in-law of F.

Q15. What is the relation of W with respect to U?

- (a) Daughter-in-law (b) Niece (c) Daughter (d) Granddaughter (e) None of these

Q16. Who amongst the following is the grandmother of F?

- (a) W (b) G (c) E (d) D (e) None of these

Q17. How many female members in the family?

- (a) Five (b) Three (c) Four (d) Can't be determined (e) None of the above

Directions for questions (18-19): Each of these questions is based on the following information:

1. $A + B$ means A is the mother of B.
2. $A - B$ means A is the sister of B.
3. $A * B$ means A is the father of B.
4. $A \beta B$ means A is the brother of B.

Q18. Which of the following means Q is the grandfather of P?

- (a) $P + N * M * Q$ (b) $Q * N * M + P$ (c) $Q \beta M \beta N * P$ (d) None of these

Q19. Which of the following means that N is the maternal uncle of M?

- (a) $N \beta P - L + E - M$ (b) $N - Y + A \beta M$ (c) $M - Y * P - N$ (d) $N \beta C + F * M$

Q20. Ratio of cost price to that of marked price is 3: 5 and ratio of loss to that of discount is 1:4 then find the discount % given?

- (a) 48 (1/3)% (b) 53 (1/3)% (c) 58 (1/3)% (d) 63 (1/3)% (e) 60%

Q21. Rs.99,000 is to be divided between A, B and C. The ratio of the share of A and B is 3: 7. The share of B is 5/7th the share of C. What is the difference between shares of A and C?

- (a) Rs. 34000 (b) Rs. 15000 (c) Rs. 35000 (d) Rs. 49000 (e) None of these

Q22. The cost price of 2 shirts and 3 jeans is Rs. 2200 and the cost price of 2 jeans and 4 shirts is Rs. 2400. Find the ratio between the cost price of the jeans and the shirt.

- (a) 8: 9 (b) 10: 7 (c) 6: 5 (d) 11: 10 (e) None of these

Directions for questions (23-27): The following table gives the sales of batteries manufactured by a company over the years.

Number of Different Types of Batteries Sold by a Company Over the Years (Numbers in Thousands)

Year	Types of Batteries					Total
	4AH	7AH	32AH	35AH	55AH	
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

Q23. What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992?

- (a) 28% (b) 31% (c) 33% (d) 34%

Q24. The total sales of all the seven years is the maximum for which battery?

- (a) 4AH (b) 7AH (c) 32AH (d) 35AH

Q25. What is the difference in the number of 35AH batteries sold in 1993 and 1997?

- (a) 24000 (b) 28000 (c) 35000 (d) 39000

Q26. The percentage of 4AH batteries sold to the total number of batteries sold was maximum in the year?

- (a) 1994 (b) 1995 (c) 1996 (d) 1997

Q27. In case of which battery there was a continuous decrease in sales from 1992 to 1997?

- (a) 4AH (b) 7AH (c) 32AH (d) 35AH

Directions for questions (28-32): In each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and Give answer

Q28. Question: How is X related to Y ?

Statements:

- I. Y and Z are children of D who is wife of X.
- II. R's sister X is married to Ys father.

- (a) I alone is sufficient while II alone is not sufficient
- (b) II alone is sufficient while I alone is not sufficient
- (c) Either I or II is sufficient
- (d) Neither I nor II is sufficient
- (e) Both I and II are sufficient

Q29. Question: Who is to the immediate right of P among five persons P, Q, R, S and T facing North ?

Statements:

- I. R is third to the left of Q and P is second to the right of R.
- II. Q is to the immediate left of T who is second to the right of P.

- (a) I alone is sufficient while II alone is not sufficient
- (b) II alone is sufficient while I alone is not sufficient
- (c) Either I or II is sufficient
- (d) Neither I nor II is sufficient
- (e) Both I and II are sufficient

Q30. Question: How many children are there in the row of children facing North ?

Statements:

- I. Vishakha who is fifth from the left end is eighth to the left of Ashish who is twelfth from the right end.
- II. Rohit is fifth to the left of Nisha who is seventh from the right end and eighteenth from the left end.

- (a) I alone is sufficient while II alone is not sufficient
- (b) II alone is sufficient while I alone is not sufficient
- (c) Either I or II is sufficient
- (d) Neither I nor II is sufficient
- (e) Both I and II are sufficient

Q31. Question: On which day of the week was birthday of Sahil ?

Statements:

- I. Sahil celebrated his birthday the very next day on which Arun celebrated his birthday.

II. The sister of Sahil was born on the third day of the week and two days after Sahil was born.

- (a) I alone is sufficient while II alone is not sufficient
(b) II alone is sufficient while I alone is not sufficient
(c) Either I or II is sufficient (d) Neither I nor II is sufficient (e) Both I and II are sufficient

Q32. **Question:** Among T, V, B, E and C, who is the third from the top when arranged in the descending order of their weights ?

Statements:

- I. B is heavier than T and C and is less heavier than V who is not the heaviest.
II. C is heavier than only T.

- (a) I alone is sufficient while II alone is not sufficient
(b) II alone is sufficient while I alone is not sufficient
(c) Either I or II is sufficient (d) Neither I nor II is sufficient (e) Both I and II are sufficient

Q33. How many 4-letter words with or without meaning, can be formed out of the letters of the word, 'LOGARITHMS', if repetition of letters is not allowed?

- (a) 40 (b) 400 (c) 5040 (d) 2520

Q34. If DANCE is coded as GXQZH then how will RIGHT be coded?

- (a) UFJEW (b) UKWEF (c) MNORT (d) UFWEJ

Q35. 'all dogs are friends' is coded as '5321',
'all cats are black' is coded as '6431' and
'all dogs eat meat' is coded as 9751,
then what is the numerical equivalent of 'are'?

- (a) 6 (b) 5 (c) 3 (d) 1

Q36. If the probability that A will live 15 yr is $\frac{7}{8}$ and that B will live 15 yr is $\frac{9}{10}$, then what is the probability that both will live after 15 yr ?

- (a) $\frac{1}{20}$ (b) $\frac{63}{80}$ (c) $\frac{1}{5}$ (d) None of these

Q37. 6 members need to be selected from different field. In such a way that 10 from java, 5 from Microsoft, 8 from Oracle, 2 from IBM. What is the possible combination?

- (a) 5 (b) 25 (c) 120 (d) 12880 (e) 168000

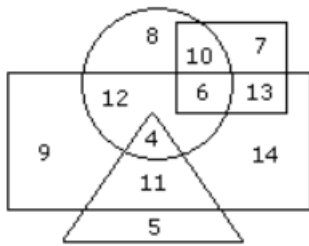
Q38. A is 50% as efficient as B. C does half of the work done by A and B together. If C alone does the work in 20 days, then A, B and C together can do the work in

- (a) 5.66 days (b) 6 days (c) 6.66 days (d) 7 days

Q39. In a 100 m race, A can beat B by 25 m and B can beat C by 4 m. In the same race, A can beat C by:

- (a) 21 m (b) 26 m (c) 28 m (d) 29 m

Q40. In the following diagram rectangle represents men, Triangle represents educated, Circle represents urban and square represents government employees. Which one of the following represents a woman who is urban as well as government employee?



- (a) 7 (b) 13 (c) 10 (d) 6

Answer key

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