

## Honeywell Mock-1

Q1. Ashok can do a certain job in  $x$  hours. His son Ramesh takes twice as long to do the job. Working together, they can do the job in 6 hours. How many hours does Ashok take to do the job?

- A. 7 hours                      B. 8 hours                      C. 6 hours                      D. 9 hours

Q2. A shopkeeper marks his goods up by 60% and then offers a discount on the marked price. If the final selling price after the discount results in the shopkeeper making no profit or loss, what was the percentage discount offered by the Shopkeeper?

- A. 37.5 % discount              B. 35.5 % discount              C. 32.5 % discount              D. 30.75 % discount

Q3. A businessman buys two articles for Rs.600. He sells one of them at a profit of 22% and the other at a loss of 8% and makes no profit or loss in the end. What is the selling price of the article that he sold at a loss?

- A. 404.80                      B. 405.75                      C. 402.85                      D. 406.85

Q4. A college has 10 hockey players. A 5-member team and a captain will be selected out of these 10 players. How many different selections can be made?

- A. 1260                      B. 1250                      C. 1275                      D. 1225

Q5. The sum of the series  $(1 + 0.6 + 0.06 + 0.006 + 0.0006 + \dots)$  is

- A.  $1 \frac{2}{3}$                       B.  $1 \frac{1}{3}$                       C.  $2 \frac{1}{3}$                       D.  $2 \frac{2}{3}$

Q6. A number, when divided by 114, leaves remainder 21. If the same number is divided by 19, then the remainder will be

- A. 1                      B. 2                      C. 7                      D. 17

Q7. The square root of 0.09 is

- A. 0.30                      B. 0.03                      C. 0.81                      D. 0.081

Q8. A shopkeeper earns a profit of 12% on selling a book at 10% discount on the printed price. The ratio of the cost price and the printed price of the book is:

- A. 45:56                      B. 45:51                      C. 47:56                      D. 47:51

Q9. By selling a bicycle for Rs. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- A. Rs. 2600                      B. Rs. 2700                      C. Rs. 2800                      D. Rs. 3000

Q10. By selling an article, a man makes a profit of 25% of its selling price. His profit per cent is:

- A. 20                      B. 25                      C. 16.66                      D. 33.33

Q11. If A's income is 50% less than that of B's, then B's income is what per cent more than that of A?

A. 125                      B. 100                      C. 75                      D. 50

Q12. Simple interest on a certain sum is  $\frac{16}{25}$  of the sum. The rate percent if the rate per cent and time (in years) are equal, is

A. 6%                      B. 8%                      C. 10%                      D. 12%

Q13. If the difference between S.I. and C.I. for 2 years on a sum of money lent at 5% is Rs. 6, then the sum is:

(a) Rs. 2400                      (b) Rs. 2200                      (c) Rs. 2000                      (d) Rs. 2600

Q14. In a class of 120 students numbered 1 to 120, all even numbered students opt for Economics, whose numbers are divisible by 5 opt for History and those whose numbers are divisible by 7 opt for English. How many opt for none of the three subjects?

A. 41                      B. 58                      C. 75                      D. 87

Q15. Of the 200 candidates who were interviewed for a position at a call center, 100 had a two-wheeler, 70 had a credit card and 140 had a mobile phone. 40 of them had both two-wheeler and credit card, 30 had both credit card and mobile phone and 60 had both two wheeler and mobile phone and 10 had all three. How many candidates had none of the three?

A. 0                      B. 10                      C. 18                      D. 20

Q16. If a sum of money grows to  $\frac{144}{121}$  times when invested for two years in a scheme where interest is compounded annually, how long will the same sum of money take to treble if invested at the same rate of interest in a scheme where interest is computed using simple interest method?

A. 25 years                      B. 22 years                      C. 21 years                      D. 23 years

Q17. Suresh invested one half of his savings in a bond that paid simple interest for 2 years and received Rs.550 as interest. He invested the remaining in a bond that paid compound interest, interest being compounded annually, for the same 2 years at the same rate of interest and received Rs.605 as interest. Find what was the value of his total savings before investing in these two bonds?

A. Rs 2750                      B. Rs 2755                      C. Rs 2885                      D. Rs 2550

Q18. 60 litres of diesel is required to travel 600 km using a 800 cc engine. If the volume of diesel required to cover a distance varies directly as the capacity of the engine, then how many litres of diesel is required to travel 800 kms using 1200 cc engine?

A. 150 litres                      B. 120 litres                      C. 130 litres                      D. 175 litres

Q19. P, Q and R, each of them working alone can complete a job in 6, 8 and 12 days respectively. If all three of them work together to complete a job and earn Rs.2340, what will be R's share of the earnings?

A. Rs 520                      B. Rs 512                      C. Rs 545                      D. Rs 515

Q20. The angles of elevation of the top of a vertical tower from two points 30 metres apart and on the same straight line passing through the base of tower are  $30^\circ$  and  $60^\circ$  respectively. The height of the tower

is

- A. 15m                      B.  $15\sqrt{3}$ m                      C. 30m                      D. 10m

Q21. 'a' and 'b' are the lengths of the base and height of a right angled triangle whose hypotenuse is 'h'. If the values of 'a' and 'b' are positive integers, which of the following cannot be a value of the square of the hypotenuse?

- A. 13                      B. 23                      C. 37                      D. 41

Q22. What is the probability that a two digit number selected at random will be a multiple of '3' and not a multiple of '5'?

- A.  $\frac{4}{10}$                       B.  $\frac{4}{12}$                       C.  $\frac{4}{17}$                       D.  $\frac{4}{15}$

Q23. A piece of equipment cost a certain factory Rs. 600,000. If it depreciates in value, 15% the first year, 13.5 % the next year, 12% the third year, and so on, what will be its value at the end of 10 years, all percentages applying to the original cost?

- A. 2, 00,000                      B. 1, 05,000                      C. 4, 05,000                      D. 6, 50,000

Q24. Pawan and Raghav can do a piece of work in 9 days and 12 days respectively. If they work for a day alternatively, Pawan beginning, in how many days, the work will be completed?

- A.  $4\frac{1}{2}$  days                      B. 5 days                      C.  $9\frac{1}{4}$  days                      D.  $10\frac{1}{4}$  days

Q25. 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

Q26. If the letters of the word CHASM are rearranged to form 5 letter words such that none of the word repeat and the results arranged in ascending order as in a dictionary what is the rank of the word CHASM?

- A. 32                      B. 38                      C. 35                      D. 31

Q27. The average monthly salary of 12 workers and 3 managers in a factory was Rs. 600. When one of the manager whose salary was Rs. 720, was replaced with a new manager, then the average salary of the team went down to 580. What is the salary of the new manager?

- A. Rs 420                      B. Rs 415                      C. Rs 315                      D. Rs 475

Q28. A cricketer scored 180 runs in the first test and 258 runs in the second. How many runs should he score in the third test so that his average score in the three tests would be 230 runs?

- A. 200                      B. 252                      C. 270                      D. 280

Q29. Average weight of 10 boys is more than the average weight of 15 girls by 5 kg. If the total weight of the 10 boys is 550 kg, what is the average of the 10 boys and 15 girls together?

- A. 50                      B. 51                      C. 52                      D. 53

Q30. The average weight of 3 men A, B and C is 84 kg. Another man D joins the group and the average now becomes 80 kg. If another man E, whose weight is 3 kg more than that of D, replaces A then the average weight of B, C, D and E becomes 79 kg. The weight of A is:

- A. 75 kg                      B. 71 kg                      C. 72 kg                      D. 73 kg

Q31. A pipe can fill a bucket in 5 hours but due to a hole at the bottom it takes 6 hours to fill the bucket. How much time will it take to empty the bucket if it was full?

- A. 25 hours                      B. 30 hours                      C. 35 hours                      D. 40 hours

Q32. Pipe A and B can fill a tank in 15 minutes and 10 minutes respectively. Pipe C can empty the tank in 5 minutes. Pipe A and B are opened simultaneously and after 4 minute pipe C is also opened. In what time the tank will be emptied?

- A. 25 mins                      B. 30 mins                      C. 35 mins                      D. 20 mins

Q33. A grocer has two types of rice and their price are 38 Rs/kg and 26 Rs/kg. He want to make a new type of rice by mixing old types. In what ratio old types should be mixed so that the price of new type would be 30 Rs/kg.

- A. 1:2                      B. 1:3                      C. 2:1                      D. 3:1

Q34. A shopkeeper has 50 kg of rice. A part of which he sells at 10% profit and remaining at 5% loss. He gains 7% on the whole. Find the quantity sold at 10% profit.

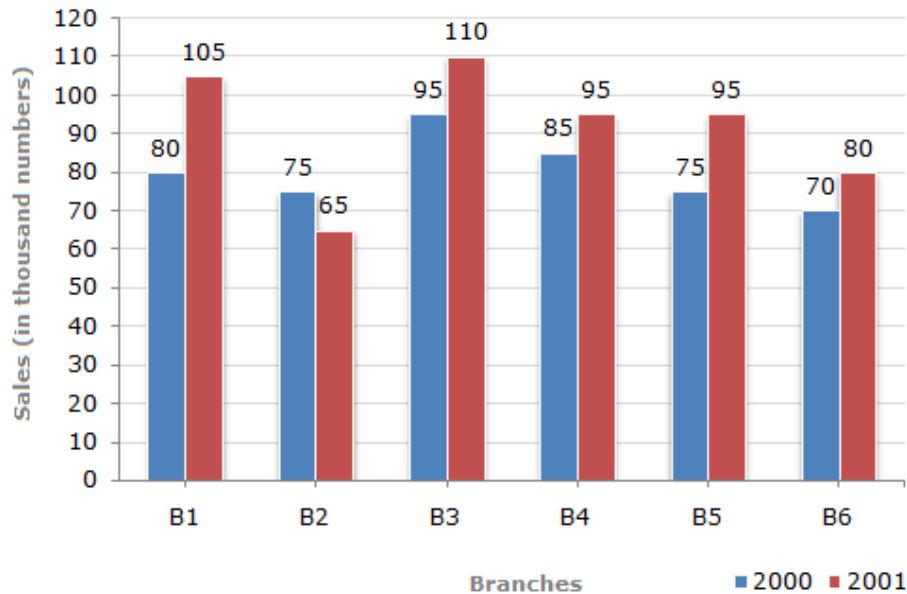
- A. 40 kg                      B. 15 kg                      C. 35 kg                      D. 20 kg

Q35. The ratio of the length and the breadth of a rectangle is 4 : 3 and the area of the rectangle is 6912 sq cm. Find the ratio of the breadth and the area of the rectangle?

- A. 1 : 96                      B. 1 : 48                      C. 1 : 84                      D. 1 : 68

**Directions for questions (36-40):** The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

**Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.**



Q36. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?

- (a) 2:3                      (b) 3:5                      (c) 4:5                      (d) 7:9

Q37. Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?

- (a) 68.54%                      (b) 71.11%                      (c) 73.17%                      (d) 75.55%

Q38. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?

- (a) 75%                      (b) 77.5%                      (c) 82.5%                      (d) 87.5%

Q39. What is the average sales of all the branches (in thousand numbers) for the year 2000?

- (a) 73                      (b) 80                      (c) 83                      (d) 88

Q40. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?

- (a) 250                      (b) 310                      (c) 435                      (d) 560

## Answer key

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