HCL Technology mock -1

Q1. If the HCF of 2 numbers is 25 and the product of two numbers is 625. Find the LCM of the numbers?

(a) 25 (b) 75 (c) 125 (d) 250

Q2. A basket contains 3 blue, 5 black and 3 red balls. If 3 balls are drawn at random what is the probability that all are black?

(a) 2/11 (b) 1/11 (c) 3/11 (d) 8/33 (e) None of these

Q3. Find the missing number in the given series:

17, 9, 10, ?, 35, 90,

(a) 21 (b) 27.5 (c) 19 (d) 16.5 (e) None of these

Q4. Find the missing number in the given series:

3, 20, 78, 334, 1696, ?

(a) 8410 (b) 9836 (c) 10206 (d) 1150 (e) None of these

Q5. The magnitude of the area of a circle is seven times that of its circumference. What is the circumference (in units) of the circle?

(a) 616 (b) 132 (c) 88 (d) Can't be determined (e) None of these

Q6. 15.002 × ? × 25.0210 = 7113.018

(a) 19 (b) 26 (c) 11 (d) 31 (e) 35

Q7. A mixture of 45 liters of spirit and water contains 20% of water in it. How much water must be added to make the water 25% in the new mixture?

(a) 5 liters (b) 3 liters (c) 4 liters (d) 6 liters (e) None of these

Q8. The sum of four consecutive integers is 102. Find the product of the extremes:

(a) 548 (b) 684 (c) 648 (d) 578 (e) None of these

Q9. A bottle contains 3/4 of milk and the rest water. How much of the mixture must be taken away and replaced by equal quantity of water so that the mixture has half milk and half water?

(a) 25% (b) 33⅓% (c) 45% (d) 50% (e) None of these

Q10. Krishan has some hens and some cows. If the total number of animal heads are 59 and the total number of feet are 190, how many cows does Krishan have?

(a) 36 (b) 32 (c) 23 (d) 20 (e) Can't be determined

Q11. The height of a room is 5 metres and its length is twice its breadth. If 240 metres of paper of breadth 50 cm are required for papering its walls, find the area of the floor.

(a) 128 m^2 (b) 64 m^2 (c) 320 m^2 (d) 32 m^2 (d) None of these

Q12. A man fixed an appointment to meet the manager, Manager asked him to come two days after the day before the day after tomorrow. Today is Friday. When will the manager expect him?

(a) Monday (b) Tuesday (c) Wednesday (d) Saturday

Q13. A man said he spent 1/6 of his as a child, 1/12 as salesman in a liquor shop, 1/7 and 5 years as a politician and a good husband respectively. At that time Jim was born. Jim was elected as Alderman four years back. When he was half of his age. What is his age?

(a) 80 years (b) 84 years (c) 90 years (d) None of these

Q14. Jack, Doug and Ann, 3 children had a running race while returning from school. Mom asked who won the race. Then Jack replied" I wont tell u. I wil give u a clue, When Ann takes 28 steps Doug takes 24 steps, meantime I take 21 steps. Jack explained that his 6 steps equals Doug's 7 steps and Ann's 8 steps. Who won the race?

(a) Jack (b) Ann (c) Doug (d) None of these

Q15. Every day a cyclist meets a car at the station. The road is straight and both are travelling in the same direction. The cyclist travels with a speed of 12 mph. One day the cyclist comes late by 20 min. and meets the car 5miles before the Station. What is the speed of the car?

(a) 48 mph (b) 60 mph (c) 72 mph (d) 90 mph

Q16. A lady goes for shopping. She bought some shoestrings. 4 times the number of shoestrings, she bought pins and 8 times, handkerchiefs. She paid each item with their count as each piece\'s cost. She totally spent Rs. 3.24. How many handkerchiefs did she buy?

(a) 8 (b) 10 (c) 16 (d) 18

Q17. Lucia is a wonderful grandmother. Her age is between 50 and 70. Each of her sons have as many sons as they have brothers. Their combined number gives Lucia?s age. What is the age?

(a) 60 (b) 64 (c) 72 (d) 84

Q18. There are two towers A and B. Their heights are 200ft and 150ft respectively and the foot of the towers are 250ft apart. Two birds on top of each tower fly down with the same speed and meet at the same instant on the ground to pick a grain. What is the distance between the foot of tower A and the grain?

(a) 45 ft (b) 75 ft (c) 90 ft (d) None of these

Q19. Grass in lawn grows equally thick and in a uniform rate. It takes 40 days for 40 cows and 60 days for 30 cows to eat the whole of the grass. How many days does it take for 20 cows to do the same?

(a) 120 (b) 150 (c) 90 (d) 96 (e) None of these

Q20. Four tourists A,B,C,D and four languages English, German, French and Italian. They are not able to converse among themselves in one language. Though A does not know English he can act as an interpreter between B and C. No one spoke both French and German. A knows German and was able

to converse with D who doesn?t know a word in German. Only one language was spoken by more than two persons. Each spoke two languages. Find who spoke what.

Who speaks German and Italian both?

(a) A (b) B (c) C (d) D

Q21. There is a five digit number. It has two prime digits (1 is not a prime number). Third digit is the highest. Second digit is the lowest. First digit is one less than the third digit. The fifth digit is half of the fourth. The sum of 4th and 5th is less than the first. Find the number.

(a) 71248 (b) 71842 (c) 17982 (d) None of these

Q22. A 1 k.m. long wire is held by n poles. If one pole is removed, the length of the gap becomes 12/3m. What is the number of poles initially?

(a) 4 km (b) 6 km (c) 8 km (d) 10 km

Q23. A man starts walking at 3 pm . ha walks at a speed of 4 km/hr on level ground and at a speed of 3 km/hr on uphill , 6 km/hr downhill and then 4 km/hr on level ground to reach home at 9 pm. What is the distance covered on one way?

(a) 10 km (b) 12 km (c) 15 km (d) 20 km

Q24. There is a church tower 150 feet tall and another catholic tower at a distance of 350 feet from it which is 200 feet tall. There is one each bird sitting on top of both the towers. They fly at a constant speed and time to reach a grain in b/w the towers at the same time. At what distance from the church is the grain?

(a) 90 (b) 100 (c) 120 (d) 150

Q25. A person wants to meet a lawyer and as that lawyer is busy he asks him to come three days after the before day of the day after tomorrow? on which day the lawyer asks the person to come?

(a) Monday (b) Wednesday (c) Thursday (d) Friday

Q26. A person says that their speed while going to a city was 10mph however while returning as there is no much traffic they came with a speed of 15mph. what is their average speed?

(a) 10 mph (b) 12 mph (c) 12.5 mph (d) None of these

Q27. if a person is sitting in a exam having 30 questions (objective type) the examiner use the formula to calculate the score is S=30+4c-w here c is number of correct answer and w is number of wrong answer , the examiner find the score is more than 80, tell how may questions are correct ? if the score is little less but still more than 80 then u wont be able to answer.

(a) 16 (b) 17 (c) 18 (d) 19

Q28. if a person having 1000 rs and he want to distribute this to his five children in the manner that ecah son having 20 rs more than the younger one , what will be the share of youngest child:

(a) 150 (b) 160 (c) 180 (d) 220

Q29. Raju having some coins want to distribute to his 5 son , 5 daughter and driver in a manner that , he gave fist coin to driver and 1/5 of remaining to first son he again gave one to driver and 1/5 to 2nd son and so on.... at last he equally distributed all the coins to 5 daughters. how many coins raju

initially have???

(a) 800 (b) 881 (c) 911 (d) None of these

Q30. if Ravi binded his book and the binder cut the pages of the book , Ravi decided to mark the pages by himself own , what he found that number of three appears 61 times. Find out the number of pages marked:

(a) 200 (b) 300 (c) 400 (d) 500

Q31. There are 100 men in town. Out of which 85% were married, 70% have a phone, 75% own a car, 80% own a house. What is the maximum number of people who are married, own a phone, own a car and own a house?

(a) 10% (b) 15% (c) 16% (d) 20%

Q32. There are 10 Red, 10 Blue, 10 Green, 10 Yellow, 10 White balls in a bag. If you are blindfolded and asked to pick up the balls from the bag, what is the minimum number of balls required to get a pair of at least one colour ?

(a) 6 balls (b) 8 balls (c) 10 balls (d) 12 balls

Q33. Triplet who usually wear same kind and size of shoes, namely, Annie, Danny, Fanny. Once one of them broke a glass in kitchen and their shoe prints were there on floor of kitchen. When their mother asked who broke Annie said ? I didn't do it?; Fanny said Danny did it?; Danny said Fanny is lying?; here two of them are lying, one is speaking truth. Can you find out who broke it ?

(a) Danny (b) Fanny (c) Annie (d) None of these

Directions for questions (34-36): Each of the following questions is based on the following information:

1. A # B means B is at 1 metre to the right of A.
2. A $ B means B is at 1 metre to the North of A.
3. A * B means B is at 1 metre to the left of A.
4. A @ B means B is at 1 metre to the south of A.
5. In each question first person from the left is facing North.

Q34. According to X @ B * P, P is in which direction with respect to X?

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

Q35. According to M # N $ T, T is in which direction with respect to M?

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

Q36. According to P # R $ A * U, in which direction is U with respect to P?

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

Q37. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:

(a) Rs. 650 (b) Rs. 690 (c) Rs. 698 (d) Rs. 700

Q38. By selling 33 m. cloth, a shopkeeper loses money equivalent to selling price of 11 m. Find his loss percentage.

(a) 20% (b) 25% (c) 33.33% (d) 50%

Q39. In a cricket championship, there are 21 matches. If each team plays one match with every other team, the number of teams is

(a) 7 (b) 9 (c) 10 (d) None of these

Q40. If two dice are thrown simultaneously, then find the probability that the sum of numbers appeared on the dice is 6 or 7?

(a) 5/6 (b) 7/36 (c) 5/36 (d) 11/36

Answer key

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