Ericsson mock test-1

Q1. 20 boys and 32 girls form a group for social work. During their membership drive same no. of boys and girls joined the group. How many members does the group have now, if the ratio of boys to girls is 3:4 respectively?

(a) 75 (b) 86 (c) 68 (d) 82 (e) 84

Q2. The average age of 6 sons of a family is 8 years. The average age of sons together with their parents is 22 years. If the father is older than the mother by 8 years, the age of mother (in years) is

(a) 68 (b) 60 (c) 52 (d) 44

Q3. Pointing to a lady a person said, "The son of her only brother is the brother of my wife." How is the lady related to the person?

(a) Maternal aunt (b) Grandmother (c) Sister of father-in-law (d) None of these

Q4. The sum of five numbers is 260. The average of first two numbers is 30 and average of the last two numbers is 70. What is third number?

(a) 33 (b) 60 (c) 75 (d) Can't determined (e) None of these

Q5. Even after reducing the marked price of a transistor by Rs. 32, a shopkeeper makes a profit of 15%. If the cost price be Rs. 320, what percentage of profit would he have made if he had sold the transistor at the marked price?

(a) 25% (b) 20% (c) 10% (d) 15% (e) None of these

Q6. P started from his house towards west. After walking a distance of 25 m. He turned to the right and walked 10 m. He then again turned to the right and walked 15 m. After this he is to turn right at 135° and to cover 30 m. In which direction should he go?

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

Q7. Seven years ago, the age of Vikrant was equal to the present age of Ram. Sum of Vikrant's age 5 years ago and Ram's age 6 years later is 58 years. If Alex is 4 years elder to Vikrant, then what will be Alex's age (in years) after 10 years?

(a) 36 (b) 38 (c) 42 (d) 46

Q8. Two cards are drawn together from a pack of 52 cards. The probability that one is a spade and one is a heart, is:

(a) 3/20 (b) 39/34 (c) 47/100 (d) 13/102

Q9. If Esha is Mother of Karan, Karan is Grandson of Seema, Seema is Mother of Bharat, Bharat is Son of Sanjay, Sanjay is Father of Abhishek.
Esha is _____ of Abhishek

(a) Grand-daughter (b) Daughter (c) Wife (d) Mother

Q10. A car travels a distance of 45 km at the speed of 15 km/hr. It covers the next 50 km of its journey at the speed of 25km/hr and the last 25 km of its journey at the speed of 15 km/hr. What is the average speed of the car?

(a) 40 km/hr (b) 24 km/hr (c) 15 km/hr (d) 18 km/hr (e) 20km/hr

Q11. The price of sugar is increased by 25%. Find by how much percent the consumption of sugar be decreased so as not to increase the expenditure?

(a) 25% (b) 40% (c) 20% (d) 30% (e) None of these

Q12. The average age of a woman and her daughter is 42 years. The ratio of their ages is 2 : 1 respectively. What is the daughter's age?

(a) 28 years (b) 48 years (c) 52 years (d) 31 years (e) 25 years

Q13. Find the missing term: 462 552 650 756 870 992 ?

(a) 1040 (b) 1122 (c) 1132 (d) 1050 (e) 1124

Q14. One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?

(a) East (b) West (c) South (d) Data inadequate

Q15. Find the missing term: 32, 49, 83, 151, 287, 559, ?

(a) 1118 (b) 979 (c) 1103 (d) 1120 (e) 1110

Q16. In how many different ways can the letters of the word 'DETAIL' be arranged in such a way that the vowels occupy only the odd positions?

(a) 32 (b) 48 (c) 36 (d) 60 (e) 120

Directions for questions (17-21): Each of these questions are based on the information given below:

1. A ,B, C, D and E are five men sitting in a line facing to south - while M, N, O, P and Q are five ladies sitting in a second line parallel to the first line and are facing to North.
2. B who is just next to the left of D, is opposite to Q.
3. C and N are diagonally opposite to each other.
4. E is opposite to O who is just next right of M.
5. P who is just to the left of Q, is opposite to D.
6. M is at one end of the line.

Q17. Who is sitting third to the right of O ?

(a) Q (b) N (c) M (d) Data inadequate

Q18. If B shifts to the place of E, E shifts to the place of Q, and Q shifts to the place of B, then who will be the second to the left of the person opposite to O ?

(a) Q (b) P (c) E (d) D

Q19. Which of the following pair is diagonally opposite to each other ?

(a) EQ (b) BO (c) AN (d) AM

Q20. If O and P, A and E and B and Q interchange their positions, then who will be the second person to the right of the person who is opposite to the person second of the right of P ?

(a) D (b) A (c) E (d) O

Q21. In the original arrangement who is sitting just opposite to N ?

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

Q22. From a point P on a level ground, the angle of elevation of the top tower is 30°. If the tower is 100 m high, the distance of point P from the foot of the tower is:

(a) 149 m (b) 156 m (c) 173 m (d) 200 m

Q23. A train overtakes two persons who are walking in the same direction in which the train is going, at the rate of 2 kmph and 4 kmph and passes them completely in 9 and 10 seconds respectively. The length of the train is:

(a) 45 m (b) 50 m (c) 54 m (d) 72 m

Q24. If 999x + 888y = 1332, 888x + 999y = 555, then the value of x + y is

(a) 1 (b) 555 (c) 888 (d) 999

Q25. Nine years later, age of B will be equal to the present age of A. Sum of A's age 3 years later and B's age 4 years ago is 76. If C is half of the present age of B, then what will be C's age (in years) after 10 years?

(a) 27 (b) 31 (c) 32 (d) 36

Q26. A number is increased by 33.33%, by what percent it should be decreased so that the number obtained is 16.66% less than the original number?

(a) 25% (b) 37.5% (c) 50% (d) None of these

Q27. Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?

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

Q28. Eight consecutive numbers are given. If the average of the two numbers that appear in the middle is 6, then the sum of the eight given numbers is

(a) 36 (b) 48 (c) 54 (d) 64

Q29. A student finds the average of ten 2 digit numbers. While copying numbers, by mistake, he writes one number with its digits interchanged. As a result his answer is 1.8 less than the correct answer. The difference of the digits of the number, in which he made mistake, is

(a) 6 (b) 4 (c) 3 (d) 2

Q30. If A + B means B is the brother of A; A x B means B is the husband of A; A - B means A is the mother of B and A % B means A is the father of B, which of the following relations shows that Q is the grandmother of T?

(a) Q - P + R % T (b) P x Q % R – T (c) P x Q % R + T (d) P + Q % R - T

Q31. What is the product of all the numbers in the dial of a telephone ?

(a) 1,58,480 (b) 1,59,450 (b) 1,59,480 (d) None of these

Directions for questions (32-36): The following table shows the number of new employees added to different categories of employees in a company and also the number of employees from these categories who left the company every year since the foundation of the Company in 1995.

Year	Managers		Technicians		Operators		Accountants		Peons	
	New	Left	New	Left	New	Left	New	Left	New	Left
1995	760	-	1200	-	880	-	1160	-	820	-
1996	280	120	272	120	256	104	200	100	184	96
1997	179	92	240	128	240	120	224	104	152	88
1998	148	88	236	96	208	100	248	96	196	80
1999	160	72	256	100	192	112	272	88	224	120
2000	193	96	288	112	248	144	260	92	200	104

Q32. What is the difference between the total number of Technicians added to the Company and the total number of Accountants added to the Company during the years 1996 to 2000?

(a) 128 (b) 112 (c) 96 (d) 88

Q33. What was the total number of Peons working in the Company in the year 1999?

(a) 1312 (b) 1192 (c) 1088 (d) 968

Q34. For which of the following categories the percentage increase in the number of employees working in the Company from 1995 to 2000 was the maximum?

(a) Managers (b) Technicians (c) Operators (d) Accountants

Q35. What is the pooled average of the total number of employees of all categories in the year 1997?

(a) 1325 (b) 1195 (c) 1265 (d) 1235

Q36. During the period between 1995 and 2000, the total number of Operators who left the Company is what percent of total number of Operators who joined the Company?

(a) 19% (b) 21% (c) 27% (d) 29%

Q37. The length and breadth of a room are 8 m and 6 m respectively. A cat runs along all the four walls and finally along a diagonal order to catch a rat. How much total distance is covered by the cat?

(a) 10 (b) 14 (c) 38 (d) 48

Q38. **Statements:** All tubes are cubes.

No cube is the sky.

No bird is the sky.

Conclusions: I. No tube is the bird.

II. All birds being cubes is a possibility.

(a) If only conclusion I follow (b) If only conclusion II follow

(c) If neither conclusion I nor conclusion II follows (d) If both the conclusions follow

(e) If either conclusion I or conclusion II follows

Direction for questions (39-40): In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Q39. **Statement:** "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." - A line in an appointment letter.

Assumptions:

1. The performance of an individual generally is not known at the time of appointment offer.
2. Generally an individual tries to prove his worth in the probation period.

(a) Only assumption I is implicit (b) Only assumption II is implicit (c) Either I or II is implicit
(d) Neither I nor II is implicit (e) Both I and II are implicit

Q40. **Statement:** It will be a substantial achievement in the field of education if one provides one school for every village in our country and enforce attendance.

Assumptions:

1. Children in villages do not attend school regularly.
2. Providing school to every village is desirable.

(a) Only assumption I is implicit (b) Only assumption II is implicit (c) Either I or II is implicit

(d) Neither I nor II is implicit (e) Both I and II are implicit

Answer key

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