

Oracle Mock-2

Q1. Find the least number which when divided by 5, 6, 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder.

- (a) 1963 (b) 2523 (c) 1683 (d) 1536

Q2. Find the unit digit of $(4137)^{754}$

- (a) 9 (b) 7 (c) 3 (d) 1

Q3. Pooja is twice as efficient as Aarti and takes 90 days less than Aarti to complete the job. Find the time in which they can finish the job together.

- (a) 30 days (b) 45 days (c) 60 days (d) 90 days

Q4. If there are 6 terms in a series, then find the sum of geometric series 2, 6, 18, 54, ----

- (a) 758 (b) 728 (c) 754 (d) 738

Q5. In a mixture of 13 litres, the ratio of milk and water is 3 : 2. If 3 liters of this mixture is replaced by 3 liters of milk, then what will be the ratio of milk and water in the newly formed mixture?

- (a) 10 : 3 (b) 8 : 5 (c) 9 : 4 (d) 1 : 1

Q6. If $6 + 12 + 18 + 24 + \dots = 1800$, then find the number of terms in the series.

- (a) 21 (b) 22 (c) 23 (d) 24

Q7. Find the sum of two numbers, which are greater than 29 and have H.C.F. and L.C.M. of 29 and 4147 respectively.

- (a) 858 (b) 696 (c) 1050 (d) 4147

Q8. Two towns P & Q are 275 km apart. A motorcycle rider starts from P towards Q at 8 a.m. at the speed of 25 km/hr. Another rider starts from Q towards P at 9 a.m. at the speed of 20 km/hr. Find at what time they will cross each other?

- (a) 2.45 p.m. (b) 2.30 p.m. (c) 1.35 p.m. (d) 1.15 p.m.

Q9. 5 bells commence tolling together and toll at intervals 2, 4, 6, 8 and 10 seconds respectively. Find in 40 minutes, how many times do they toll together?

- (a) 8 times (b) 19 times (c) 21 times (d) 30 times

Q10. The population of different trees in a field increased by 10 % in first year, increased by 8 % in second year and decreased by 10 % in third year. If at present the number of trees is 26730, then find the number of trees in the beginning.

- (a) 30000 (b) 25000 (c) 27000 (d) 27865

Q11. 2 years ago, the average age of a family of 5 members was 16 years. After a baby is born, the average age of family is the same today. Find the present age of the baby.

- (a) 4 years (b) 6 years (c) 8 years (d) $8\frac{1}{2}$ years

Q12. A man, his wife and daughter worked in a garden. The man worked for 3 days, his wife for 2 days and daughter for 4 days. The ratio of daily wages for man to women is 5 : 4 and the ratio for man to daughter is 5 : 3. If their total earnings is mounted to Rs. 105, then find the daily wage of the daughter.

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

Q13. The price of diesel increases by 50 %. Find by how much percent a truck owner must reduce his consumption in order to maintain the same budget?

- (a) 11.11 % (b) 22.22 % (c) 33.33 % (d) 44.44 %

Q14. Salaries of Ram and Sham are in the ratio of 4 : 5. If the salary of each is increased by Rs. 5000, then the new ratio becomes 50 : 60. What is Sham's present salary?

- (a) Rs. 20,000 (b) Rs. 25,000 (c) Rs. 30,000 (d) Rs. 35,000

Q15. Two pipes can fill a tank in 6 hours and 8 hours respectively while a third pipe empties the full tank in 12 hours. If all the three pipes operate simultaneously, in how much time will the tank be filled?

- (a) $7\frac{1}{2}$ hrs (b) $4\frac{4}{5}$ hrs (c) $3\frac{2}{7}$ hrs (d) $1\frac{1}{5}$ hrs

Q16. A man walking at the rate of 6 km/hr crosses a bridge in 15 minutes. The length of the bridge is

- (a) 1000 m (b) 1250 m (c) 1500 m (d) 1800 m

Q17. A contractor pays Rs. 20 to a worker for each day and the worker forfeits Rs. 10 for each day if he is idle. At the end of 60 days, the worker gets Rs. 300. Find for how many days the worker was idle?

- (a) 28 days (b) 30 days (c) 34 days (d) 40 days

Q18. An electric pump can fill a tank in 4 hours. Due to leakage in the tank, it took $4\frac{1}{2}$ hrs to fill the tank. If the tank is full, how much time will the leak take to empty the full tank?

- (a) 8 hrs (b) 16 hrs (c) 21 hrs (d) 36 hrs

Q19. The value of Xerox machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs. 75,000 then what was the value of machine before 2 years?

- (a) Rs. 90,000 (b) Rs. 92,600 (c) Rs. 93,800 (d) Rs. 95,000

Q20. A & B can make paintings in 6 days, B & C can make those paintings in 10 days. If A, B & C together can finish the work in 4 days, then A & C together will do it in:

- (a) $4 \frac{2}{7}$ days (b) $1 \frac{1}{8}$ days (c) $2 \frac{2}{5}$ days (d) $6 \frac{3}{8}$ days

Q21. The average of four consecutive even numbers is 27. Find the largest of these numbers.

- (a) 28 (b) 30 (c) 32 (d) 34

Q22. In a farm, along with 50 hens, there were 45 goats and 8 horses and some farmers. If total number of feet be 224 more than number of heads, then find the number of farmers.

- (a) 11 (b) 15 (c) 16 (d) 18

Q23. Find the angle between the hour hand and the minute hand of a clock when the time is 5.45.

- (a) 97.5° (b) 90° (c) 100° (d) 95°

Q24. Find the number in place of Question mark : 19, 25, 32, 40, ?, 59

- (a) 46 (b) 49 (c) 55 (d) 51

Q25. The calendar for the year 2001 is same for which of the following year?

- (a) 2005 (b) 2007 (c) 2011 (d) 2006

Q26. Chandigarh express of 100 m runs at a speed of 60 km/hr. What will be the time taken to cross a platform of 150 meters long?

- (a) 11.00 sec (b) 12.50 sec (c) 15.00 sec (d) 15.23 sec

Q27. A clock was set right at 2 p.m. It gains 5 seconds in 3 minutes, and it indicates 8.30 a.m. the next morning, then the true time is:

- (a) 8.30 a.m. (b) 7.45 a.m. (c) 8.15 a.m. (d) 7.30 a.m.

Q28. If SNOW is coded as 7100, then WALL will be coded as

- (a) 5000 (b) 4700 (c) 4800 (d) 4000

Q29. From a pack of 52 cards, one card is drawn at random. Find the probability that the drawn card is a club or a jack?

- (a) $17/52$ (b) $8/13$ (c) $4/13$ (d) $1/13$

Directions for questions (30-31) : A, B, C, D, E, F and G are 8 friends sitting in a single row facing North.

1. D is to the immediate right of C.
2. E and A are neighbors of F.
3. B is to the immediate left of C and on second place from left most end.
4. A is at the right most end.

Q30. Who is in between C and E?

- (a) B (b) F (c) D (d) None of these

Q31. Who are the neighbour of G?

- (a) B and C (b) Only B (c) A and F (d) E and D

Q32. In a certain language, if SUNSHINE is coded as TVOTIJOF then how will MOON be coded:

- (a) NPPQ (b) NPPO (c) PPON (d) NQQP

Q33. Morris is facing North and walks 10kms. He turns 270° anti-clockwise and walks 15kms. Now, he again turns 45° clockwise and walks for 25kms. Which direction is he facing now?

- (a) North-West (b) South-West (c) North-East (d) South-East (e) None of these

Q34. Joe went 35 meters towards east from Mary's house. He turns left and walks 15 meters. Now, he takes a left turn and walks 80 meters. Finally, he turns left and walks for 15 meters. How far Joe is from Mary's house?

- (a) 30 (b) 45 (c) 50 (d) 65

Q35. Find the missing number : 9, 18, 54, 216, ?, 6480

- (a) 432 (b) 864 (c) 1080 (d) 1512

Q36. Flower : Vase :: Pencil : ?

- (a) Pen (b) Compass Box (c) Desk (d) All of the above

Q37. There are six persons Ashwin, Kiran, Komal, Dipen, Esha and Mittal. Komal is the sister of Mittal. Kiran is the brother of Esha's husband. Dipen is the father of Ashwin and grandfather of Mittal. There are two fathers, three brothers and a mother in the group. Who is the mother?

- (a) Ashwin (b) Kiran (c) Komal (d) Esha

Q38. A's mother is sister of B and daughter of C. D is daughter of B and sister of E. How is C related to E?

- (a) Father (b) Grandfather (c) Grandmother (d) Either Grandfather or Grandmother

Q39. Pick the odd one out

- (a) Owl (b) Parrot (c) Eagle (d) Hawk

Q40. Statement –

- I. All fruits are lions
- II. All lions are foxes
- III. Some foxes are beggars

Conclusion –

- I. All fruits are foxes.
 - II. Some fruits are beggars.
- (a) Only I follows (b) Only II follows (c) Only III follows
(d) Only I and II follows (e) Both II and III follow

Answer key

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