

TCS Mock-2

Q1. She is my mother's mother's son's daughter, Harry said while holding up a photograph. What is the relationship between the person in the photograph and Harry?

- (a) Sister (b) Niece (c) Mother (d) Cousin

Q2. Arrange the words in the following list in a meaningful order.

1. Money 2. Social standing 3. Education 4. Wellbeing 5. Work

- (a) 1,5,3,2,4 (b) 2,1,3,5,4 (c) 3,5,1,2,4 (d) 5,4,2,1,3

Q3. What could be the next term in the series QAR, RAS, SAT, TAU, ____

- (a) UAV (b) UAT (c) TAS (d) TAT

Q4. Which of the following options could be the next term?

9, 18, 11, 16, 14, 13, 18, 9, 23, ?

- (a) 18 (b) 4 (c) 15 (d) 2

Q5. How am I related to my grandmother's only child's husband's mother?

- (a) Grandmother (b) Mother (c) Sister (d) Aunt

Q6. John loses his way in a very dense jungle. He travels away from his tent at random but mathematical in a very interesting sense. He walks one mile east first, then half a mile north. Then $\frac{1}{4}$ mile to the west, $\frac{1}{8}$ mile to the south, and so on to complete the loop. Finally, how far away from his camp is he?

- (a) 0.98 miles (b) 0.56 miles (c) 0.76 miles (d) 0.44 miles

Q7. A young lady departs from her home. She walks 30 meters in a north-westerly direction, then 30 meters in a south-westerly direction. She then travels 30 meters to the southeast. She finally makes her way back to her residence. In which direction does she seem to be heading?

- (a) Northeast (b) Southeast (c) Southwest (d) Northwest (e) None of these

Q8. Given Statements:

All liquids are solids.

All gases are clouds.

Some solids are gases.

Conclusion to be followed:

I. Some clouds are solids

II. Some solids are clouds

III. Some clouds are liquids

IV. Some gases are liquids

(a) Only II follows (b) Only I and IV follow (c) Only IV follows (d) Only III follows

Q9. In the year 2003, February had 28 days and the year had 365 days. In 2004, there were 29 days in the month of February, and there were 366 days in the whole year. Which of the following would be the day for March 11, 2004, if the date March 11, 2003, is a Tuesday?

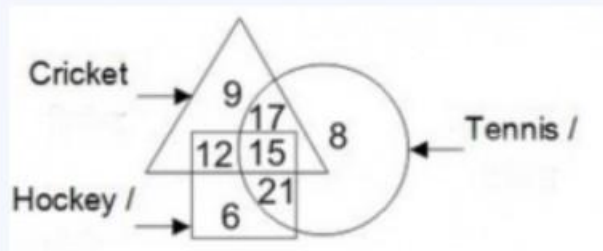
(a) Monday (b) Tuesday (c) Wednesday (d) Thursday

Q10. What is the number of identical pieces obtained if two, three, and four cuts are made parallel to separate faces of a cube?

(a) 40 (b) 27 (c) 60 (d) 25

Q11. How many people in the given figure enjoy both cricket and tennis?

(a) 17 (b) 32 (c) 27 (d) 15



Q12. The length of a rectangle is 48 m and its perimeter is 150 m. What will be the perimeter of a square whose area is equal to this rectangle?

(a) 121 m (b) 123 m (c) 144 m (d) 160 m

Q13. The population of a town is 1,21,000 if it increases at the rate of 10% per annum, what is the difference between the population 3 years hence and that of 2 year ago?

(a) 62041 (b) 61055 (c) 61251 (d) 61051

Q14. A retailer has fixed the Price of an article at 20% above the cost price. If he offers a discount of Rs 2 for a purchase of Rs 40. what is his gain or loss percentage?

(a) 12% (b) 14% (c) 8% (d) 10%

Q15. A person gains Rs. 357 on selling a table at 13% gain and a chair at 6% gain. If he sells the table at 15% gain and the chair 8% loss, he gains Rs. 203. What is the actual cost of the chair?

(a) 2100 (b) 1200 (c) 1400 (d) 3500

Q16. What sum of money at compound interest will amount to Rs. 6930 in 3 years, if the rate of interest is 5% for the first year, 10% for the second year and 20% for the third year?

- (a) 4000 (b) 4500 (c) 5000 (d) 5500

Q17. If two numbers are, respectively, 25% and 40% less than the third number, what is the ratio of these two numbers?

- (a) 3 : 4 (b) 3 : 5 (c) 4 : 5 (d) 5 : 4

Q18. What is the sum (in Rs) which when divided among A, B, C, D in the proportion 2:3:5:8 provides Rs 8420 less to D than what it provides to him when the proportion is 1/2:1/3:1/5:1/8?

- (a) 12510 (b) 25020 (c) 17540 (d) 35620

Q19. The ratio of alcohol and water in vessels A and B are 3:7 and 4:11, respectively. Five litres and 7 litres solutions from vessels A and B, respectively are mixed in vessel C. What is the ratio of water and alcohol in the solution in C?

- (a) 9 : 20 (b) 20 : 7 (c) 18 : 7 (d) 7 : 18

Q20. If 54 persons can complete $\frac{3}{8}$ th part of a task in 36 days then how many more persons are required to complete $\frac{2}{3}$ rd part of the same task in 48 days?

- (a) 15 (b) 18 (c) 20 (d) 21

Q21. Manoj travelled one third of a distance at an average speed of 16 km/hr then half of distance at a speed of 15 km/hr and covered the rest of distance at an average speed of 20 km/hr. If he took total of 15 hours in completing the journey then total distance covered by him is

- (a) 205 km (b) 250 km (c) 240 km (d) 230 km

Q22. In how many ways can X give Rs 500 to Y using only Rs 100 and Rs 20 notes, with the condition that she has only 16 notes of Rs 20, and being asked to use the notes of both the denominations?

- (a) 2 (b) 3 (c) 4 (d) 5

Q23. What is the area of a trapezium whose parallel sides are 12 cm and 16 cm and whose height is equal to that of an equilateral triangle of side $\sqrt{3}$ cm?

- (a) 21 Sq. cm (b) 17.5 sq. cm (c) 22 sq. cm (d) 27.5 sq. cm

Q24. A certain sum amounts to INR 9799 in 3 years and to INR 12464 in 8 years at a certain rate percent per annum, at simple interest. What will be the amount (in rupees) of the same sum in 5 years at double the earlier rate, at simple interest?

- (a) 12960 (b) 13530 (c) 13500 (d) 12840

Q25. What is the standard deviation of the data given below? 10, 28, 13, 18, 29, 30, 22, 23, 25, and 32 ?

- (a) 7 (b) 8 (c) 9 (d) 10

Q26. Two ants of length 1 cm and 1.2 cm crawl in opposite directions with average speeds of 2 and 3 mm per second respectively. How many seconds will they take to cross each other?

- (a) 4.4 (b) 2.8 (c) 0.4 (d) 1.5

Q27. In how many ways can we give change for Rs 50 using 1 rupee and 2 rupee coins? For example for 5 rs we can give it in three ways (1,1,1,1,1) (1,1,1,2) (1,2,2)

- (a) 100 (b) 50 (c) 51 (d) 99

Q28. 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

Q29. Which one among the following has the least value?

- (a) $\sqrt{75} - \sqrt{74}$ (b) $\sqrt{74} - \sqrt{73}$ (c) $\sqrt{77} - \sqrt{76}$ (d) $\sqrt{76} - \sqrt{75}$

Q30. A retailer purchased 25 identical toys for a price of Rs P and sold some of them for Rs P. If he calculated his profit as 8%, with selling price as base instead of cost price then how many did he sell?

- (a) 20 (b) 21 (c) 23 (d) 24

Q31. A man who has to walk 11Km finds that in 30 minutes he has travelled two-ninth of the remaining distance. What is his speed in Km/h?

- (a) 8 (b) 4 (c) 4.2 (d) 4.5

Q32. With what value should the highest quantity in data 65, 52, 14, 26, 18, 35, 32, 38 be replaced so that the mean and median become equal?

- (a) 51 (b) 66 (c) 64 (d) 53

Q33. An exam was conducted and the following was analysed. 4 men were able to check some exam papers in 8 days working 5 hours regularly. What is the total number of hours taken by 2 men in 20 days to check double the number of exam papers?

- (a) 7 hours (b) 8 hours (c) 9 hours (d) 10 hours

Q34. The numbers from 101 to 150 are written as, 101102103104105...146147148149150. What will be the remainder when this total number is divided by 3?

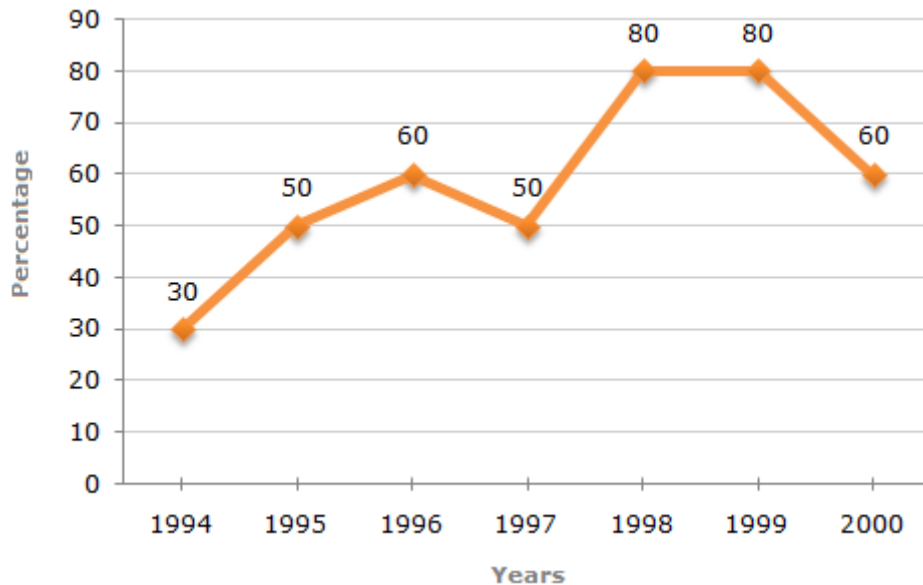
- (a) 0 (b) 1 (c) 2 (d) 3

Q35. If the alphabets are written in the sequence of a, bb, ccc, dddd, eeeee, fffff, What will be the 120th letter?

- (a) M (b) N (c) O (d) P

Directions (36-40) : The following line graph gives the percentage of the number of candidates who qualified an examination out of the total number of candidates who appeared for the examination over a period of seven years from 1994 to 2000.

Percentage of Candidates Qualified to Appeared in an Examination Over the Years



Q36. The difference between the percentage of candidates qualified to appeared was maximum in which of the following pairs of years?

- (a) 1994 and 1995 (b) 1997 and 1998 (c) 1998 and 1999 (d) 1999 and 2000

Q37. In which pair of years was the number of candidates qualified, the same?

- (a) 1995 and 1997 (b) 1995 and 2000 (c) 1998 and 1999 (d) Data inadequate

Q38. If the number of candidates qualified in 1998 was 21200, what was the number of candidates appeared in 1998?

- (a) 32000 (b) 28500 (c) 26500 (d) 25000

Q39. If the total number of candidates appeared in 1996 and 1997 together was 47400, then the total number of candidates qualified in these two years together was?

- (a) 34700 (b) 32100 (c) 31500 (d) Data inadequate

Q40. The total number of candidates qualified in 1999 and 2000 together was 33500 and the number of candidates appeared in 1999 was 26500. What was the number of candidates in 2000?

- (a) 24500 (b) 22000 (c) 20500 (d) 19000

Answer key

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