

TCS mock-1

Q1. If it takes 10 3D printers 10 minutes to print 10 models, how long will it take 100 printers to print 100 models? Fill the correct answer in minutes.

- (a) 10 minutes (b) 12 minutes (c) 15 minutes (d) 20 minutes

Q2. In the normal course, Ravi, Sanjay and Mukund can each individually build a wall in 5 and 8 days and 12 days respectively. Due to difficult terrain and slushy conditions at the site, the individual time required for each to complete the work has increased by 20%, 25% and 50% respectively. How long will they take to build the wall if they work together?

- (a) 3 days (b) 4 days (c) 0 days (d) 2 days

Q3. The difference between the ages of two of my three grandchildren is 3. My elder grandchild is three times older than the age of my youngest grandchild and my eldest grandchild's age is two years more than the ages of my two youngest grandchildren added together. How old is my eldest grandchild?

- (a) 12 (b) 15 (c) 13 (d) 10

Q4. In a country, 60% of the male citizen and 70% of the female citizen are eligible to vote. 70% of male citizens eligible to vote voted, and 60% of female citizens eligible to vote voted. What fraction of the citizens voted during the election?

- (a) 0.42 (b) 0.48 (c) 0.49 (d) 0.54

Q5. In how many ways coin of 1 rupee and 2 rupee is arranged to get a value of 100 rupee? (Example for 5 rupee we can arrange it in 3 ways $\{(1,1,1,1,1) (1,1,1,2)(1,2,2)\}$)

- (a) 47 (b) 50 (c) 51 (d) 67

Q6. We are driving along a highway at a constant speed of 55 miles per hour (mph). You observe a car one half mile behind you. The car is moving fast and zooms past you exactly one minute later. How fast is this car traveling (mph) if its speed is constant?

- (a) 85 kmph (b) 88 kmph (c) 72 kmph (d) 78 kmph

Q7. George can do some work in 8 hours. Paul can do the same work in 10 hours while Hari can do the same work in 12 hours. All the three of them start working at 9 AM. While George stops work at 11 am, the remaining two complete the work, approximately when will the work be finished?

- (a) 11 : 30 AM (b) 12 Noon (c) 12 : 30 PM (d) 1 PM

Q8. A certain sum of money is sufficient to pay either George's wages for 15 days or Mark's wages for 10 days, for how long will it suffice if both George and Mark work together?

- (a) 9 (b) 8 (c) 6 (d) 5

Q9. A store is selling a jacket on sale at 30% off the marked price. A matching pair of pants is on sale at 40% off the marked price. If the marked price of the pants is Rs. 8500 less than the marked price of the jacket and the total sale price of both items is Rs. 23500, then what is the marked price of the jacket?

- (a) 21700 (b) 21800 (c) 22000 (d) 22100

Q10. Initially, when Sona and Tina left for a shopping expedition, Sona had three times the money than Tina had. They bought things amounting to Rs. 480 altogether, out of which Tina's share was 65%. At the end of shopping, Sona was left with 4 times the amount that Tina had. What was the amount with Tina at the beginning?

- (a) 1248 (b) 1080 (c) 936 (d) 968

Q11. In a group of 5 families, every family has a certain number of children, such that the number of children forms an arithmetic progression with a common difference of one, starting with two children in the first family. Despite the objection of their parents every child in a family has three times as many pets to look after as the number of offspring in the family. What is the total number of pets in the entire group of five families.

- (a) 99 (b) 270 (c) 165 (d) 27

Q12. How many number plates can be made if the number plates have two letters of the English alphabet (A-Z) followed by two digits (0-9) if the repetition of digits or alphabets is not allowed?

- (a) 56800 (b) 56500 (c) 52500 (d) 58500

Q13. In a cricket tournament, 16 school teams participated. A sum of Rs.8000 is to be awarded among them as prize money. If the team placed last is awarded Rs.275 as prize money and the award increases by the same amount for successive finishing places, how much will the team place first receive?

- (a) 1000 (b) 500 (c) 725 (d) 1250

Q14. Eesha's father was 34 years of age when she was born. Her younger brother, Shashank, now that he is 13, is very proud of the fact that he is as tall as her, even though he is three years younger than her. Eesha's mother, who is shorter than Eesha, was only 29 when Shashank was born. What is the sum of the ages of Eesha's parents now?

- (a) 92 (b) 76 (c) 66 (d) 89

Q15. A sum of Rs 2387 is divided into three parts in such a way that one-fifth of the first part, one half of the second part and the fourth one and the third part are equal. Find the sum of five times the first part, three times the second part and four times the third part (in rupees).

- (a) 9982 (b) 7812 (c) 10199 (d) 9114

Q16. Apples cost L rupees per kilogram for the first 30 kilograms and Q rupees per kilogram for each additional kilogram. If the price paid for 33 kilograms of apples is Rs. 1167 and for 36 kilograms of apples is Rs. 1284, then the cost of the first 10 kgs of apples is

- (a) Rs. 117 (b) Rs. 1053 (c) Rs. 350 (d) Rs. 281

Q17. A and B are traveling in the same duration. B is traveling at a constant speed of 55kmph and the distance between A and B is 1.5 km. If A crosses B within 1 minute, what is the speed of A?

- (a) 145 kmph (b) 150 kmph (c) 165 kmph (d) 170 kmph

Q18. In a test with 26 questions, five points were deducted for each wrong answer and eight points were added for every correct answer. How many were answered correctly if the score was zero?

- (a) 15 (b) 10 (c) 20 (d) 25

Q19. In a week in July the average daily temperature of Monday to Wednesday was 27 degrees and of Tuesday to Thursday was 24 degrees. if the temperature remained constant throughout in any given day.

- (a) 20 (b) 22 (c) 18 (d) 16

Q20. The air-conditioned bus service from Siruseri industry park runs at regular intervals throughout the day. It is now 3:12 pm and it has arrived 1 minute ago but it was 2 minutes late. The next bus is due at 3:18 pm. When is the next bus due?

- (a) 3 : 29 PM (b) 3 : 27 PM (c) 3 : 25 PM (d) 3 : 24 PM

Directions (21-25) : Study the following table and answer the questions based on it.

Number of Candidates Appeared, Qualified and Selected in a Competitive Examination from Five States Delhi, H.P, U.P, Punjab and Haryana Over the Years 1994 to 1998

Year	Delhi			H.P			U.P			Punjab			Haryana		
	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel
1997	8000	850	94	7800	810	82	7500	720	78	8200	680	85	6400	700	75
1998	4800	500	48	7500	800	65	5600	620	85	6800	600	70	7100	650	75
1999	7500	640	82	7400	560	70	4800	400	48	6500	525	65	5200	350	55
2000	9500	850	90	8800	920	86	7000	650	70	7800	720	84	6400	540	60
2001	9000	800	70	7200	850	75	8500	950	80	5700	485	60	4500	600	75

Q21. For which state the average number of candidates selected over the years is the maximum?

- (a) Delhi (b) H.P (c) U.P (d) Punjab

Q22. The percentage of candidates qualified from Punjab over those appeared from Punjab is highest in the year?

- (a) 1997 (b) 1998 (c) 1999 (d) 2000

Q23. In the year 1997, which state had the lowest percentage of candidates selected over the candidates appeared?

- (a) Delhi (b) H.P (c) U.P (d) Punjab

Q24. The number of candidates selected from Haryana during the period under review is approximately what percent of the number selected from Delhi during this period?

- (a) 79.5% (b) 81% (c) 84.5% (d) 88.5%

Q25. The percentage of candidates selected from U.P over those qualified from U.P is highest in the year?

- (a) 1997 (b) 1998 (c) 1999 (d) 2001

Q26. There are five rods K, L, M, N, and O. The weight of O is twice the weight of L. The weight of L is equal to the weight of K and M taken together. The weight of M is twice the weight of K. The weight of N is thrice the weight of M. If the weight of N is 90 kg. What will be the weight of O?

- (a) 105 kg (b) 60 kg (c) 120 kg (d) 90 kg

Q27. Which is the wrong term in the following series? CMQ, FPT, JTX, OYC, UFI

- (a) FPT (b) OYC (c) JTX (d) UFI

Q28. In a certain code,

A % B means 'A is the brother of B',

A & B means 'A is the mother of B',

A @ B means 'A is the daughter of B',

A \$ B means 'A is the father of B' and A # B means 'A is the sister of B'.

If K \$ Z % U & H # N @ T, how is T related to U?

- (a) Sister (b) Husband (c) Wife (d) Brother

Q29. Five teachers P, Q, R, S and T teach a group of students in sequence between 9 and 2 pm. Each teacher teaches for one hour. Q takes the first class. S teaches just after T, R teaches before P and T. Who takes the second class from 10 am to 11 am?

- (a) S (b) R (c) P (d) T

Q30. Given below is a question followed by two statements. I and II, each containing some information. Which of the following statements is/are sufficient to answer the question? How is A related to C?

Statements:

I. A is the wife of B and B is the brother of C.

II. C is the son of D.

- (a) Both I and II together are not sufficient (b) Statement I alone is sufficient.
(c) Statement II alone is sufficient (d) Both I and II together are sufficient.

Q31. Find the wrong term in the letter cluster series given below:

In DRTQ. JXZU, GUWR, MAOX, JXZU

- (a) JXUZ (b) JXZU (c) MAOX (d) GUWR

Q32. In each of the five pairs of letter-clusters, the letter in the second term are a rearranged/ transformed form of the letters has been put together in a particular pattern. In which two pairs, has the transformation been done in the same way?

I. PLANT: PLZMG

II MANGO: MAMTL

III BLACK: BLBDP

IV TABLE: ATLBE

V CHEER: HCREE

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

Q33. **Statements:**

Some drills are drugs

No drug is a dam

No drill is a laker

Conclusions:

I. Some lakers are drugs

II. Some dams are drills

- (a) If neither conclusion I nor II follows (b) If only conclusion II follows
(c) If either conclusion I or conclusion II follows (d) If only conclusion I follows

Q34. Find the wrong term in the given series

IWLZ, NSOU, SOTQ, XKAM, CGJI

(a) NSOU

(b) IWLZ

(c) CGJI

(d) XKAM

Q35. Given below is the question followed by two statements ,I and II each containing some information. Decide which if the statement(s) is/are sufficient to answer the question.

Five persons - A,B,C,D and E sit around a circular table , facing the centre not necessarily in that order .Who sits second to the right of D?

I. A sits the immediate right of E, who is not a neighbour of D.

II. B is to the immediate left of D.

(a) If only statement II is sufficient to answer the question.

(b) If the data in both the statement I and II together are necessary to answer the question.

(c) If the data either in statement I alone or in statement II alone is sufficient to answer the question.

(d) If only statement I is sufficient to answer the question.

Q36. Five persons A,B,C,D and E are comparing the number of books which they have bought recently. A bought more number of books than C and E, but not the highest. B bought more number of books than exactly one person. Then which of the following bought the highest number of books?

(a) C

(b) D

(c) B

(d) E

Q37. In a certain code, if:

J@K means j is k's daughter.

J%K means j is k's wife.

J + K means K is j's father.

J / K means K is J's mother.

F@R%I/E%N

How is R related to N in the given expression?

(a) Mother-in-law

(b) Son-in-law

(c) Daughter-in-law

(d) Mother

Q38. Among P,Q,R,S and T , Q is the second tallest and S is immediately taller than the shortest. R is neither tallest nor the shortest. Who among them is in the middle when they stand in the order of their heights?

- (a) R (b) P (c) S (d) T

Q39. Given below is a question followed by two statements I and II, Decide which of the statements is/are sufficient to answer the question.

What is the colour of human blood?

Statements:

I. Red is called white and white is called yellow.

II. Yellow is called pink and pink is called green.

- (a) Statement II alone is sufficient
(b) Either statement I alone or II alone is sufficient.
(c) Statement I alone is sufficient.
(d) Both statements I and II, are necessary.

Q40. Sohan and Saurabh are brothers. Tanya and Tashima are sisters. Saurabh's father is the only son-in-law of Tanya's mother's mother. How is Tasima related to Sohan's father ?

'#' is sister-in-law, '>' is daughter, '<' is granddaughter, and '@' is sister?

- (a) # (b) > (c) < (d) %

Answer keys

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