TCS mock-11

Q1. **Statements:**

All forest are tree.

No tree is green.

All tree are wood.

Conclusions:

I. All forest are green is a possibility.

II. Some wood are not green.

(a) Only II follows   (b) Both I and II follow   (c) Only I follows

(d) Either I or II follows   (e) None follows

Q2. Statements: All water are Rain.

No Rain is Pure.

All Pure are Sun.

Conclusions:

I. No water are Pure.

II. Some Rain are water

(a) Only II follows   (b) Both I and II follow   (c) Only I follows

(d) Either I or II follows   (e) None follows

Q3. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

(a) 10/21   (b) 11/21   (c) 2/7   (d) 5/7

Q4. A number is increased by 14.28%. by what percent it should be decreased to obtain the original number?

(a) 10%   (b) 11.11%   (c) 12.5%   (d) None of these

Q5. 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?

(a) 2 days   (b) 7 days   (c) 8 days   (d) 12(1/2) days

Q6. Joey started a business and he invested in 38000, After some month, amar came to join with him and invest 28500.The end of the year the total profit was divided among them into ratio form 16: 8.Find after how many months did amar join.

(a) 4   (b) 6   (c) 8   (d) 3   (e) None of These

Q7. What is the area of an equilateral triangle of side 16 cm?

(a) $48\sqrt{3}$ sq.cm   (b) $128\sqrt{3}$ sq.cm   (c) $96\sqrt{3}$ sq.cm   (d) $64\sqrt{3}$ sq.cm

Q8. A got twice as many marks in English as in Science. His total marks in English, Science and Mathematics is 180. If the ratio of his marks in English and Mathematics is 2 : 3, what is his marks in Science?
(a) 10   (b) 20   (c) 30   (d) 40

Q9. A began a business with Rs. 15000. He was joined afterwards by B with Rs. 20000. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1?

(a) 4 months   (b) 5 months   (c) 6 months   (d) 3 months

Q10. **Statements:** No women teacher can play. Some women teachers are athletes.
Conclusions:
1. Male athletes can play.

2. Some athletes can play.

(a) Only conclusion I follows   (b) Only conclusion II follows   (c) Either I or II follows

(d) Neither I nor II follows   (e) Both I and II follow

Direction for questions (11-13): The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

Q11. What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)

(a) 77.26   (b) 89.14   (c) 91.37   (d) 96.11

Q12. What is the overall percentage of Tarun?

(a) 52.5%   (b) 55%   (c) 60%   (d) 63%

Q13. What was the aggregate of marks obtained by Sajal in all the six subjects?

(a) 409   (b) 419   (c) 429   (d) 449

Direction for questions (14-15): Each of these questions is based on the following information:

1. M % N means M is the son of N.
2. M @ N means M is the sister of N.
3. M $ N means M is the father of N.

Q14. Which of the following shows the relation that C is the granddaughter of E?

(a) C % B $ F $ E   (b) B $ F $ E % C   (c) C @ B % F % E   (d) E % B $ F $ C

Q15. Which of the following shows the relation that S is the father of Q?

(a) S @ P $ Q   (b) Q @ P % S   (c) Q $ S @ P   (d) None of these

Q16. A flooring tile has the shape of a parallelogram whose base is 24 cm and the corresponding height is 10 cm. How many such tiles are required to cover a floor of area 1080 m²?

(a) 25000   (b) 30000   (c) 45000   (d) None of these

Q17. Look at this series: 664, 332, 340, 170, ____, 89, ... What number should fill the blank?

(a) 85   (b) 97   (c) 109   (d) 178

Q18. Study the following information carefully to answer the given question.

'dumb monkeys are actors' is coded as 'la pa zi ta''

'joker monkeys are dumb' is coded as 'pa zi la sa''

'flower are red fool' is coded as 'na hi ga pa''

'dumb pins and flower' is coded as 'zi mi jo ga'

How will 'dumb joker flower' be coded in the given language?

(a) zi la sa   (b) zi sa ga   (c) sa mi jo   (d) pa zi mi

Q19. Two pipes A and B can alone fill a cistern in 60 minutes and 75 minutes respectively. There is a third pipe in the bottom of the cistern to empty it. If all the three pipes are opened together, then the

cistern is full in 50 minutes. In how much time the third pipe alone can empty the cistern?

(a) 110 minutes   (b) 100 minutes   (c) 120 minutes   (d) 90 minutes

Q20. Find out the wrong number in the given sequence of numbers.

582, 605, 588, 611, 634, 617, 600

(a) 634   (b) 611   (c) 605   (d) 600

Q21. In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. If D got 640 marks out of 1000, the marks obtained by A were:

(a) 405   (b) 900   (c) 360   (d) 400

Q22. 20% loss on selling price is what percent loss on cost price?

(a) 25%   (b) 20%   (c) 16.66%   (d) None of these

Q23. After the GST, market price of loose sugar decrease by 25% because of which Kavya now is able to buy 1 kg more sugar for Rs. 30. Find the reduced rate of sugar per kilogram.

(a) Rs. 17.5   (b) Rs. 7.5   (c) Rs. 10   (d) Rs. 7.3

Q24. 10 years ago, the average age of a family of 4 members was 24 years. Two children having been born (with age diference of 2 years), the present average age of the family is the same. The present age of the youngest child is :

(a) 1   (b) 2   (c) 3   (d) 4

Q25. A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 hours while machine R can print them in 12 hours. All the machines are started at 9 A.M. while machine P is closed at 11 A.M. and the remaining two machines complete work. Approximately at what time will the work (to print one lakh books) be finished ?

(a) 11:30 A.M.   (b) 12 noon   (c) 12:30 P.M.   (d) 1:00 P.M.

Q26. In a certain code, NEWYORK is written as 111, how is NEWJERSEY written in that code?

(a) 123   (b) 124   (c) 135   (d) None of these

Q27. Find the average of two-digit numbers which remains the same when their digits interchange their position?

(a) 11   (b) 33   (c) 55   (d) None of these

Q28. Aman invested a sum of Rs. 60 lakhs in at simple interest rates in two different schemes A and B. On A he earns interest at 18% per annum, while on B it is 12% per annum. If the he receive 13.5% per annum overall. Find the money invested on scheme B?

(a) 15 lakhs   (b) 45 lakhs   (c) 30 lakhs   (d) None of these

Q29. A sum of money become double itself at simple interest in 12 years. In how many years it will be 4 times ?

(a) 12 years   (b) 24 years   (c) 36 years   (d) 48 years

Q30. The ratio between the speeds of three trains is 5 : 4 : 6. What will be the ratio of their time?

(a) 6 : 4 : 5   (b) 4 : 5 : 6   (c) 12 : 15 : 10   (d) None of these

Q31. The price of petrol is increased by 16.66%. by what percent a man has to reduce the consumption in order to keeping the expenditure same ?

(a) 16.66%   (b) 14.28%   (c) Data inadequate   (d) None of these

Q32. At what rate of compound interest per annum, a sum of Rs. 1200 becomes Rs. 1399.68 in 2 years?

(a) 5%   (b) 6%   (c) 7%   (d) 8%

Q33. A student has to obtain 35% of the total marks to pass. He got 120 marks and failed by 20 marks. The maximum marks are:

(a) 400   (b) 500   (c) 600   (d) 700

Q34. Write a Pythagorean triplet whose one member is 16

(a) 16, 63, 65   (b) 16, 32, 48   (c) 16, 23, 28   (d) 16, 18, 20

Q35. The average age of girls in a class is 20 years that of the boys is 30 years. If the mean age of the class is 23.33 years, and there are 36 girls in class. Find the total number of students in the class?

(a) 16   (b) 32   (c) 48   (d) 54

Q36. Which of the following can not be the perfect square of a natural number?

(a) 1057   (b) 1849   (c) 6241   (d) None of these

Q37. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together ?

(a) 4   (b) 10   (c)15   (d) 16

Q38. A piggy bank contains hundred 50 p coins, fifty ₹ 1 coins, twenty ₹ 2 coins and ten ₹ 5 coins. If it is equally likely that one of the coins will fall out when the bank is turned upside down, what is the probability that the coin will be a Rs. 2 coin?

(a) ½   (b) 1/3   (c) ¼   (d) None of these

Q39. In the following question find out the alternative which will replace the question mark.

Ornithologist : Bird :: Archaeologist : ?

(a) Islands   (b) Mediators   (c) Archaeology   (d) Aquatic

Q40. All the tulips in Zoe's garden are white.
All the pansies in Zoe's garden are yellow.
All the flowers in Zoe's garden are either white or yellow
If the first two statements are true, the third statement is

(a) true   (b) false   (c) uncertain

Answer key

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