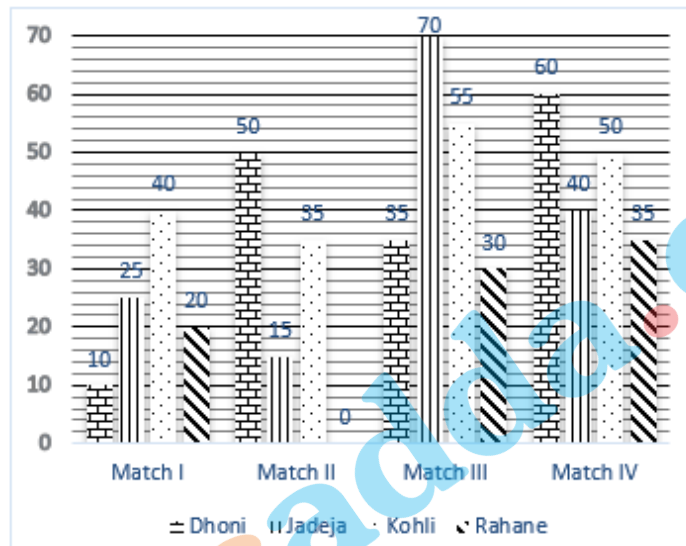## Quantitative Aptitude Mega Quiz for SSC CGL

Directions (1-4): Go through the diagram below and answer the question based on it.

Following diagram shows the number of runs scored by four Indian Batsmen in four T20 matches.

Q1. In which match is the share of runs scored by the four batsmen out of the total runs scored by India the maximum?
(a) Match I
(b) Match II
(c) Match IV
(d) Can't be determined

Q2. What is the maximum possible difference between the runs scored by Jadeja and Rahane in any match?
(a) 40
(b) 35
(c) 55
(d) 50

Q3. Who is the least run scorer in all the four matches taken together?
(a) Dhoni
(b) Rahane
(c) Kohli
(d) Jadeja

Q4. If total runs scored by India in Match III is 225. What share of runs did Rahane scored in that match?

(a) 15%

(b) $13\frac{1}{3}\%$

(c) $16\frac{2}{3}\%$

(d) $12\frac{1}{2}\%$

Directions (5-8): The table below shows the number of people who responded to a survey about their favorite style of music. Use this information to answer the following questions.

Age	(15-20)	(21-30)	(31+)
Classical	6	4	17
Pop	7	5	5
Rock	6	12	14
Jazz	1	4	11
Blues	2	3	15
Hip Hop	9	3	4
Ambient	2	2	2

Q5. What percentage of respondents under 31 indicated Blues as their favorite style of music?

(a) 7.1

(b) 7.6

(c) 8.3

(d) 14.1

Q6. What percentage of respondents aged 21-30 indicated their favorite style other than Rock music?

(a) 64%

(b) 60%

(c) 75%

(d) 36%

Q7. What percentage of the total respondent indicated that Jazz is their favorite style of music?

(a) 6%

(b) 8%

(c) 22%

(d) 12%

Q8. What is the maximum increase in the number of people joining any type of music from age group 15-20 to age group 31+?

(a) 500%

(b) 750%

(c) 1000%

(d) 1200%

Directions (9-10): Answer the following questions referring to the PIE chart given below. The PIE chart shows the no. of seats in various Engineering branch of Delhi Engineering College. The seats in Delhi Engineering College are 400.
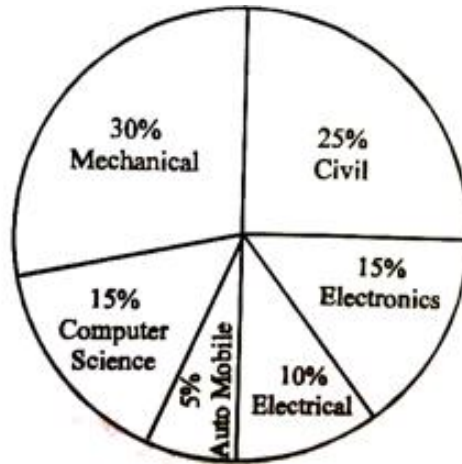
Q9. Number of seats in Mechanical branch is :
(a) 180
(b) 200
(c) 120
(d) 160

Q10. How many degrees represent the Mechanical and the civil branches together in P.I.E. chart?
(a) 204°
(b) 200°
(c) 198°
(d) 188°

Q11. Priya lent Rs. 10,000 partly at the rate of 4 percent and partly at the rate of 5 per cent per annum, at simple interest for purchased a wrist watch. The total interest after 2 years is Rs. 880. The sum of money lent at each of the above rates is to be divided in the ratio:
(a) 4: 5
(b) 3: 2
(c) 5: 4
(d) 2: 3

Q12. Simple interest on a certain amount is 16/25 of the principal. If the rate of interest and time (in years) be equal, then time, for which the principal is lent out, is:
(a) $5\frac{1}{2}$ years
(b) $6\frac{1}{2}$ years
(c) 7 years
(d) 8 years

Q13. At a certain rate of simple interest an amount of Rs. 4000 becomes Rs. 5240 in 10 years. If the rate of interest had been 7% more, the same amount would have become-
(a) Rs. 8250
(b) Rs. 8040
(c) Rs. 8530
(d) None of these

Q14. Gopal borrows Rs. 8000 from a bank at $8\frac{1}{2}\%$ compound interest. At the end of every year, he pays Rs. 2100 as part repayment of loan and interest. How much does he still owes to the bank after two such installments?
(a) Rs. 5039.3
(b) Rs. 5099.3
(c) Rs. 4769.3
(d) Rs. 4995.3

Q15. Rishi lends Rs. 4500 to Neeraj and a certain sum to Shashank at the same time at 13% annual simple interest. If after 5 years Rishi received interest of Rs. 5694 from Neeraj and Shashank, the sum lent to Shashank is
(a) Rs. 6250
(b) Rs. 6562
(c) Rs. 65220
(d) Rs. 4260

Q16. Arun loses Rs. 653.10 yearly when the annual rate of interest falls from 13.5% to 10.35%. His capital (in rupees) is
(a) 8866.67
(b) 8682.33
(c) 6866.33
(d) 8869.33

Q17. Shashank borrows Rs. 4000 at 20% compound rate of interest. At the end of each year he pays back Rs. 1800. How much amount should he pay at the starting of the Forth year to clear all his dues?
(a) 2160
(b) 2530
(c) 2460
(d) 1800

Q18. Dev lent out a certain sum on simple interest and the same sum on compound interest at a certain rate of interest per annum. He noticed that the ratio between the difference of compound interest and simple interest of 3 years and that of 2 years is 25 : 8. The rate of interest per annum is:

(a) 10%

(b) 11%

(c) 12%

(d) $12\frac{1}{2}\%$

Q19. Divide Rs. 51867 in two parts so that the simple interest on the first when deposited for one year at 11% per annum and that on the second when deposited for two years at 9.25% per annum in a bank are the same.

(a) Rs. 26851 and 26538

(b) Rs. 12681 and Rs. 39186

(c) Rs. 26781 and Rs. 25086

(d) Rs. 26536 and Rs. 25331

Q20. A sum of money was lent at simple interest at 11% per annum for $3\frac{1}{2}$ years and $4\frac{1}{2}$ years respectively. If the difference in interest for two periods was Rs. 412.50, then find the sum?

(a) Rs. 3570

(b) Rs. 7530

(c) Rs. 5730

(d) Rs. 3750

Q21. Ram was engaged on a job for 48 days on the condition that he will get a wage of Rs. 210 for the day he works, but he will have to pay a fine of Rs. 30 for each day of his absence. If he gets Rs. 5640 at the end of the 48 days, then, he was absent for how many days?

(a) 12 ½ days

(b) 18 ½ days

(c) 15 days

(d) 18 days

Q22. Dev, Manish and Ankit together can complete a work in 4 days. If Dev and Manish together can complete the work in 24/5 days, Manish and Ankit together can do it in 8 days, then Manish alone can complete the work in:

(a) 16 days

(b) 12 days

(c) 20 days

(d) None of these

Q23. 4 men or 6 women can finish a piece of work in 20 days. In how many days can 6 men and 11 women finish the triple the work?
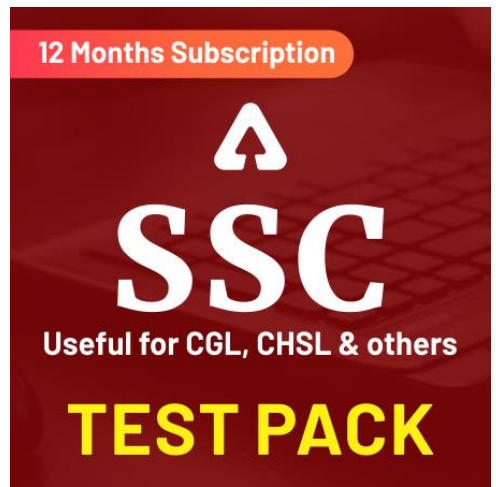
(a) 18 days
(b) 12 days
(c) 14 days
(d) None of these

Q24. Five men and 2 boys, working together, can complete four times as much work per hour as a man and a boy completes working together. The work completed by a man and a boy should be in the ratio:

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

Q25. Amar and Akbar, working together, can complete a piece of work in 12 days Akbar and Anthoni working together can complete the same piece of work in 16 days. Amar worked at it for 5 days and Akbar worked at it for 7 days. Anthoni finished the remaining work in 13 days. How many days would Anthoni alone take to complete it?

(a) 10 days
(b) 24 days
(c) 32 days
(d) 40 days