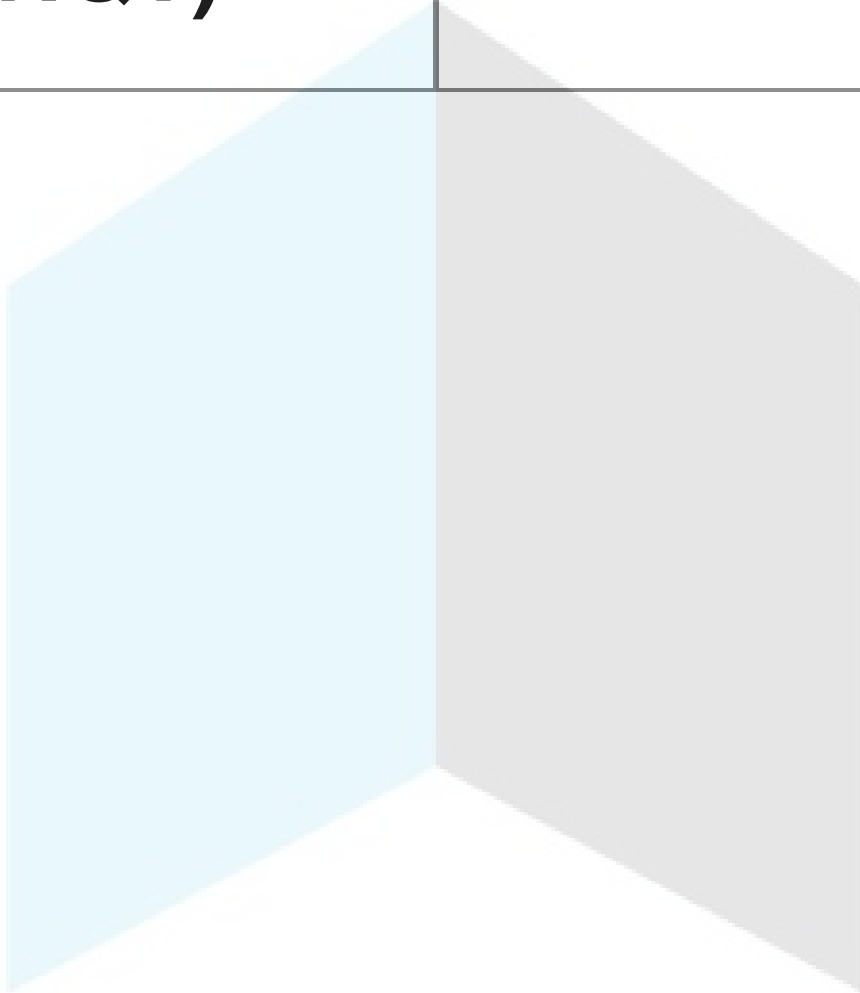


**TCS  
(NQT)**

**Numerical Ability  
2021 Practice Set - 2**



## 26 Questions

**Que. 1** When asked about his age, a person replied “his age is the sum of the first 15 natural numbers”. What is the age of this person?

1. 120
2. 50
3. 150
4. 100

**Testbook Solution** Correct Option - 1

**Que. 2** Which of the following statement(s) is/are correct?

1. The greatest common factor of two consecutive even numbers is always even.
  2. The L.C.M. of two consecutive even numbers is always equal to the product of both the numbers.
1. 1 and 2 both
  2. neither 1 nor 2
  3. Only 1
  4. Only 2

**Testbook Solution** Correct Option - 3

**Que. 3** A and B can complete a piece of work together in 5 days. If A works at twice his speed and B at half of his speed work get completed in 3.33 days. How many days would it take for A alone to complete double the initial work?

1. 18
2. 15
3. 12
4. 10

**Testbook Solution** Correct Option - 2

**Que. 4** There are 30 male employees and some female employees in an office. The average weight of all the male employees is 60.5 kg and the average weight of all the female employees is 50.5 kg. If the average weight of all the employees taken together is 56.5 kg, then find the number of female employees in the office.

1. 30
2. 10
3. 20
4. 15

**Testbook Solution** Correct Option - 3

**Que. 5** A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. The number of days in which B alone can finish the work is

1. 54
2. 60

3. 50
4. 48

**Testbook Solution** Correct Option - 2

**Que. 6** In a class 60% of the students are boys and rest are girls. If 35% of the number of boys and 60% of the number of girls get scholarship and the number of girls who do not get scholarship is 32, then the number of boys who do not get scholarship is:

1. 78
2. 60
3. 84
4. 42

**Testbook Solution** Correct Option - 1

**Que. 7** Four construction machines of equal efficiency can do a work in 24 days, and 6 destructive machines can undo the same work in 48 days. How much time will it take for 10 construction and 6 destruction machines to complete the same work?

1. 15 days
2. 10 days
3. 12 days
4. 9 days

**Testbook Solution** Correct Option - 3

**Que. 8** Find the mean of median and mode of the given data.  
23, 26, 22, 24, 22, 29, 24, 23, 22

1. 22.5
2. 25.5
3. 27.5
4. 30.5

**Testbook Solution** Correct Option - 1

**Que. 9** In an exam, the average was found to be 40 marks. After deducting computational errors, the marks of 100 candidates had to be changed from 60 to 30 each and the average came down to 35 marks. The total number of candidate who took the exam was \_\_\_\_\_.

1. 700
2. 600
3. 500
4. 400

**Testbook Solution** Correct Option - 2

**Que. 10** If an article is sold for Rs. 3430 the profit is  $16\frac{2}{3}\%$ . At what price should the article be sold to make  $16\frac{2}{3}\%$  loss?

1. Rs. 2450
2. Rs. 2350

3. Rs. 2550
4. Rs. 2650

**Testbook Solution** Correct Option - 1

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**Que. 11** In an election, two candidates have participated. 20% of voters did not cast their votes, 20% are declared as invalid. If the winner got 60% of the valid votes and won by 23040 votes, then find how many voters are there in the voting list?

1. 1,80,000
2. 1,60,000
3. 1,20,000
4. 2,00,000

**Testbook Solution** Correct Option - 1

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**Que. 12** Three persons A, B and C spend 80%, 85% and 75% of their salaries and the sum of their salaries is Rs. 72,000 and their savings are in the ratio 8 : 9 : 20, then salary of A is:

1. Rs. 16,000
2. Rs. 32,000
3. Rs. 40,000
4. Rs. 24,000

**Testbook Solution** Correct Option - 1

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**Que. 13** The ratio of number of teachers and the number of students in a school is 2 : 5. If on a particular day 15% of teachers and 20% of students were absent, then find percentage of all (teachers and students) who were present on that day (in approx).

1. 81%
2. 75%
3. 72%
4. 85%

**Testbook Solution** Correct Option - 1

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**Que. 14** A train honks two times at an interval of 2 minutes such that a man approaching towards the train on his motorcycle hears the sound of the second honk after 44 minutes. If the speed of the sound is 330 m/s then find the speed of the motorcycle.

1. 63 km/hr
2. 48 km/hr
3. 54 km/hr
4. 52 km/hr

**Testbook Solution** Correct Option - 3

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**Que. 15** A man gets a profit of Rs. 200 on selling a table and chair at 5% and 10% gain respectively. In case, he sells the table at 10% gain and the chair at 5% loss, his profit becomes less by Rs. 50. Find the cost of (i) chair and (ii) table.

1. (i) Rs. 750 ,(ii) Rs. 1500

2. (i) Rs.1000, (ii) Rs. 2000
3. (i) Rs. 2000 , (ii) Rs.1000
4. (i) Rs. 1500 , (ii) Rs. 750

**Testbook Solution** Correct Option - 2

**Que. 16** The speed of a boat in still water is 15 km/hr. The time taken by the boat to cover 24 km upstream in a river was 40 minutes more than that taken by the boat to cover 24 km downstream. What is the speed of the stream?

1. 4 km/hr
2. 3 km/hr
3. 2 km/hr
4. 5 km/hr

**Testbook Solution** Correct Option - 2

**Que. 17** The Mean deviation about Median for the given data.  
52, 56, 66, 70, 75, 80, 82 is:

1. 9
2. 7
3. 3
4. 6

**Testbook Solution** Correct Option - 1

**Que. 18** Three sets of Computer Engineering, Mechanical Engineering and Electronics Engineering books contain 783, 1107 and 513 books respectively. These books have to be stacked in such a way that all the books are stored subject wise in a library and the height of each stack is the same. The minimum total number of stacks will be:

1. 41
2. 27
3. 89
4. 29

**Testbook Solution** Correct Option - 3

**Que. 19** Pradeep is 4 years older than his wife Pratibha and the present age of their son is 9 years. If the present age of Pradeep's son is  $\frac{1}{4}$  times of Pradeep's age and if the couple's son was born after 2 years of their marriage, then find the age of Pradeep's wife at the time of her marriage.

1. 21 years
2. 19 years
3. 25 years
4. 23 years

**Testbook Solution** Correct Option - 1

**Que. 20** An article marked up 30% higher than its cost price but it is sold at a discount of X%. Then the shopkeeper gain 17%. what would be the selling price of the article whose cost price is 500 and sold at

$(X + 5)\%$  profit?

1. 575
2. 675
3. 775
4. 875

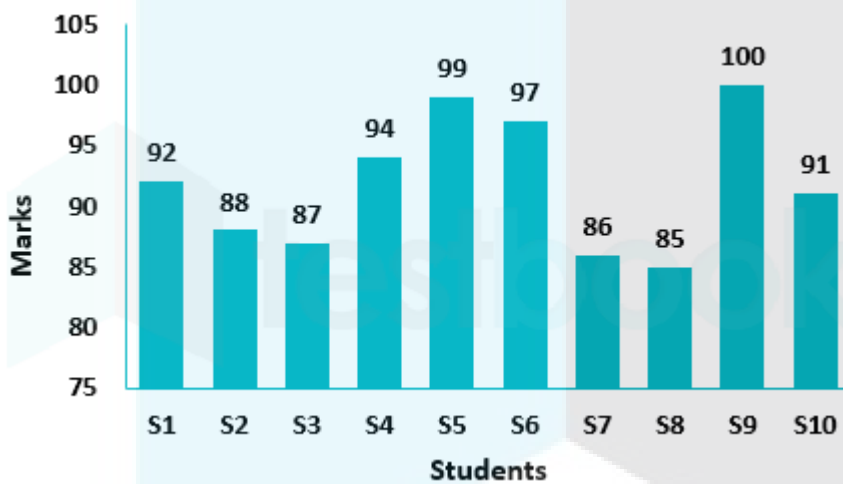
**Testbook Solution** Correct Option - 1

**Que. 21** Two trains leave P and Q towards Q and P at same time. Speeds of train moving from P and Q is 25 km/hr and 30 km/hr respectively. When they meet then it is known that the train coming from Q has travelled 10 km distance more than a train coming from P. What is the distance between P and Q?

1. 100 km
2. 110 km
3. 120 km
4. 90 km

**Testbook Solution** Correct Option - 2

**Que. 22** The bar diagram given below shows the marks obtained by 10 students out of 100 marks in a subject.



What is the average marks per student?

1. 89.9
2. 91.9
3. 82.9
4. 90.9

**Testbook Solution** Correct Option - 2

**Que. 23** Consider the given question and decide which of the following statement is sufficient to answer the question.

If the total marks obtained by 5 students is 500. The average marks of the first 2 students are 150. Marks obtained by the third students are?

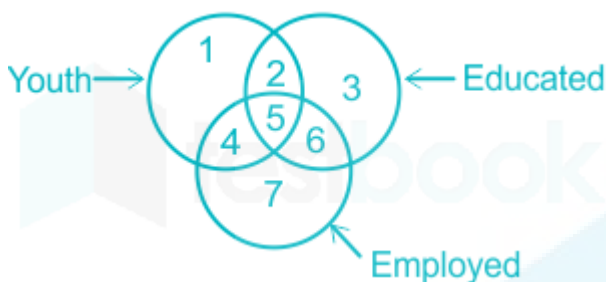
**Statements:**

1. Average marks obtained by the last two students are 50.
  2. Marks obtained by 4th students are 25.
1. Both 1 and 2 are sufficient to answer the given question.

2. 2 alone is sufficient while 1 alone is not sufficient to answer the given question.
3. 1 alone is sufficient while 2 alone is not sufficient to answer the given question.
4. Neither 1 nor 2 is sufficient to answer the given question.

**Testbook Solution** Correct Option - 3

**Que. 24** Study the diagram below and identify the region representing youth who are employed but not educated:



1. 4 Only
2. 5, 6
3. 1, 4, 7
4. 4, 7

**Testbook Solution** Correct Option - 1

**Que. 25** A sum of Rs. 4860 is invested at simple interest at the rate of 20% per annum. Total interest received at the end of 6 years is x and total interest received at the end of 5 years is y. What is the value of  $x - y$  ?

1. Rs. 912
2. Rs. 972
3. Rs. 862
4. Rs. 872

**Testbook Solution** Correct Option - 2

**Que. 26** In an examination out of 400 students, 75% passed in physics and 65% passed in mathematics. If 18% failed in both subjects, how many students passed in both subjects?

1. 232
2. 204
3. 168
4. 196

**Testbook Solution** Correct Option - 1