

Aptitude Question Paper

Total points 35/40 ?

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35 of 40 points

✓ Q 1 -In a class of 50 students, 24 secured 60 in Physics, 16 secured 70 marks and the rest secured 80. What is the average score for Physics in the class? 1/1

☐ 64.8☐ 65.4

☒ 67.2☐ 66.7

✓ Q 2- The average age of a class of 22 students is 21 years. The average increased by 1 when the teacher's age also included. What is the age of the teacher? 1/1

☐ 48☐ 45☐ 43☒ 44

✓ Q 3-There are 50 students in a class. Their average weight is 45 kg. When one student leaves the class the average weight reduces by 100 g. What is the weight of the student who left the class ? 1/1

☐ 45☐ 47.9☒ 49.9☐ 50.1

✓ Q 4-The average age of 16 men increases by 3 years when a person 27 years old is replaced by another. How old is the new person? 1/1

☒ 75☐ 30

- ☐ 48
- ☐ 64

✓ Q 5- The average weight of 15 students in a group is 26 kg. When the teacher's weight is included it becomes 30 kg. What is the weight of the teacher? 1/1

- ☐ 78
- ☐ 86
- ☐ 62
- ☒ 90



✓ Q 6- The average age of a class of 19 students is 15 years. If the age of the teacher be included, then the average increases by 9 months. Find the age of the teacher. 1/1

- ☐ 40
- ☐ 25
- ☒ 30
- ☐ 35



✓ Q 7- The average age of 8 men is decreased by 2 years when one of them is replaced by a 40 year old woman. What is the age of the man who was replaced? 1/1

- ☒ 56 years



- ☐ 48 years
- ☐ 32 years
- ☐ 24 years

✓ Q 8-The average wages of a worker during a fortnight comprising 15 consecutive working days was Rs.90 per day. During the first 7 days, his average wages was Rs.87/day and the average wages during the last 7 days was Rs.92 /day. What was his wage on the 8th day? 1/1

- ☐ 83
- ☐ 92
- ☐ 90
- ☒ 97



✓ Q 9-The average of ten numbers is 8. If the average of first nine numbers is 7. Find the 10th number? 1/1

- ☒ 17
- ☐ 16
- ☐ 15
- ☐ 12



✓ Q 10- The average of 50 numbers is 30. If two numbers, 35 and 40 are discarded, then the average of the remaining numbers is nearly? 1/1

- ☐ 28.32
- ☒ 29.68
- ☐ 28.78



☐ 28.27

✗ Q 11- Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is: 0/1

☐ 2 : 5

☐ 3 : 5

☒ 4 : 5

☐ 5 : 4

Correct answer

☒ 2 : 5

✓ Q 12- The sum of 3 numbers is 98. If ratio between first and second numbers be 2 : 3 and between second and third be 5 : 8, then the second number is? 1/1

☒ 30

☐ 40

☐ 50

☐ 60

☐ Option 5



✓ Q 13-A camel pursues an elephant and takes 5 leaps for every 7 leaps of the elephant, but 5 leaps of elephant are equal to 3 leaps of camel. What is the ratio of speeds of camel and elephant? 1/1

☐ 24 : 22

☒ 25 : 21 ✓

☐ 23 : 19

☐ 22 : 21

✓ Q 14- Two numbers are in the ratio 3:5. If 9 is subtracted from each, the new numbers are in the ratio 12:23. The smaller number is: 1/1

☐ 27

☒ 33 ✓

☐ 49

☐ 55

✓ Q 15- In a mixture of 60 litres , the ratio of milk and water is 2:1. What is the amount of water and milk present in the mixture? 1/1

☐ 27

☒ 33 ✓

☐ 49



☐ 55

✓ Q 16- Four numbers are in proportion. The sum of the squares of the four $\frac{1}{1}$ numbers is 50 and the sum of the means is 5. The ratio of the first two terms is 1: 3. What is the average of the four numbers?

☐ 2

☐ 5

☒ 3

☐ 6



✓ Q 17- Two numbers are respectively 40% and 60% more than a third number. The ratio of the two numbers is ? 1/1

☒ 7 : 8

☐ 3 : 5

☐ 4 : 5

☐ 6 : 7



✓ Q 18- If the price of sugar increases by 25%, by what percent will a housewife have to reduce her consumption to leave total expenditure on sugar unchanged? 1/1

☐ 25 %

☐ 35 %



☒ 20 %



☐ 15 %

✓ Q 19- 14 expressed as a per cent of 1.9 is ?

1/1

☐ 6 %

☐ 10 %

☒ 60 %



☐ 90 %

✗ Q 20- The length and breadth of a room are increased by 25% and 40% respectively. While the height is decreased by 20%.Find % change. 0/1

☐ 16 %

☒ 40 %



☐ 60 %

☐ 30 %

Correct answer

☒ 60 %

✓ Q 21- If the length of a rectangle is increased by 37.5% and its breadth is decreased by 20%, find the change in its area. 1/1

☐ 15% increase

☐ 13% decrease



- ☒ 10% increase
- ☐ 10% decrease



✓ Q 22- The ratio 5 : 4 expressed as a percent equals ?

1/1

- ☒ 125%
- ☐ 80%
- ☐ 40%
- ☐ 12.5%



✓ Q 23- 12% of 5000 = ?

1/1

- ☒ 600
- ☐ 620
- ☐ 6880
- ☐ 720



✓ Q 24- A mixture of 20 litres of milk and water contains 20% of water. A new mixture is formed by adding 5 litres of water. What is the percentage of milk in the new mixture? 1/1

- ☐ 36%
- ☐ 20%
- ☒ 64%
- ☐ 46%



✓ Q 25-If X and Y are 20% and 25% greater than Z respectively, by how much percentage is X smaller than Y? 1/1

- ☐ 20%
- ☒ 4%
- ☐ 5%
- ☐ 16%



✓ Q 26-In a certain code language, "YEARLY" is written as "BVZIOB". What will be the code for "ANNUAL" in the same language? 1/1

- ☐ ZFMOMM
- ☐ ZNNFZA
- ☒ ZMMFZO
- ☐ XCADGF
- ☐ ZXAMMO



✓ Q 27- In a certain code language "EASY" is written as "5117". In the same code language, how will "BEAM" be written as? 1/1

- ☐ 4512
- ☐ 4567
- ☐ 2513



☒ 2514



☐ 2563

✓ Q 28- In a certain code language “CONSTRUCTION” is written as “EMPQVPWAVGQL”. What will be the code for “DESTRUCTION” in the same language?

1/1

☒ FCURTSERKMP



☐ EFTVSVDVJPO

☐ FCURTSFSLOQ

☐ None of the above

☐ Cannot be determined

✓ Q 29- “SPECIAL” is written as “65” in a certain code language what will “CONNECT” be coded as?

1/1

☐ 70

☐ 64

☐ 32

☐ 78

☒ 74



✓ Q 30- In a certain code language, "ISSUE" is written as "341145", in the same code language what will be the code for "DATES"? 1. 4567 2. 340045 3. 4120519 4. 7600 1/1

- ☐ 4567
- ☐ 340045
- ☐ 4120519
- ☒ 7600



✓ Q 31- Ajit has a certain average for 9 innings. In the tenth innings, he scores 100 runs thereby increasing his average by 8 runs. His new average is: 1/1

- ☐ 20
- ☐ 21
- ☒ 28
- ☐ 32



✗ Q 32- Find the average of first 97 natural numbers.

0/1

- ☐ 47
- ☐ 37
- ☒ 48
- ☐ 49
- ☐ 49.5

✗

Correct answer

- ☒ 49

✗ Q 33- The average age of three boys is 15 years. If their ages are in ratio 30/1 : 5 : 7, the age of the youngest boy is ?

- ☒ 21 years
- ☐ 18 years
- ☐ 15 years
- ☐ 12 years

✗

Correct answer

- ☒ 12 years



✓ Q 34- The average of 25 results is 18. The average of first 12 of those is $14\frac{1}{1}$ and the average of last 12 is 17. What is the 13th result?

- ☐ 74
- ☐ 75
- ☐ 69
- ☒ 78



✗ Q 35- 1.14 expressed as a per cent of 1.9 is:

0/1

- ☐ 6%
- ☐ 10%
- ☒ 60%
- ☐ 90%



Correct answer

- ☒ 6%

✓ Q 36- The population of a town increases every year by 4%. If its present 1/1 population is 50,000, then after 2 years it will be ?

- ☐ 53,900
- ☐ 54,000



☒ 54,080



☐ 54,900

✓ Q 37- The cost of an article was Rs.75. The cost was first increased by 20% and later on it was reduced by 20%. The present cost of the article is: 1/1

☒ Rs. 72



☐ Rs. 60

☐ Rs. 75

☐ Rs. 76

✓ Q 38- If A and B are in the ratio 3 : 4, and B and C in the ratio 12 : 13, then A and C will be in the ratio 1/1

☐ 3 : 13

☒ 9 : 13



☐ 36 : 13

☐ 13 : 9

✓ Q 39- The salaries of A, B and C are in the ratio 1 : 3 : 4. If the salaries are increased by 5%, 10% and 15% respectively, then the increased salaries will be in the ratio 1/1

☐ 20 : 66 : 95

☐ 21 : 66 : 96



☒ 21 : 66 : 92



☐ 19 : 66 : 92

✓ Q40- In a school having roll strength 286, the ratio of boys and girls is 8 : 1/15. If 22 more girls get admitted into the school, the ratio of boys and girls becomes

☐ 12 : 7

☐ 10 : 7

☐ 8 : 7

☒ 4 : 3



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