

Started on	Friday, 31 May 2024, 6:27 PM
State	Finished
Completed on	Friday, 31 May 2024, 6:42 PM
Time taken	14 mins 52 secs
Grade	19.00 out of 20.00 (95%)

Question 1

Correct

Mark 1.00 out of 1.00

. A and B entered into a partnership by investing Rs 16,000 and Rs 12,000 respectively, After 3 months. A withdrew Rs 5000, while B invested Rs 5000 more, After 3 months more, C joins the business with a capital of Rs. 21,000. After a year, they obtained a profit of Rs.26,400. By what amount does the profit of B exceed the share of C?

- ☐ a. Rs. 3600
- ☐ b. Rs 2800
- ☐ c. Rs 3200
- ☒ d. Rs. 3587 ✓

Your answer is correct.

The correct answer is: Rs. 3587

Question 2

Correct

Mark 1.00 out of 1.00

Three employees of a company P, Q and R are assigned a piece of work for Rs. 529 based on their work. Work should be completed in such a way that if any two do a piece of work, remaining work will be completed by the third one. P and Q together are supposed to do 19/23 of the work and Q and R together 8/23 of the work. What amount should P be paid?

- ☐ a. Rs. 315
- ☒ b. Rs. 345 ✓
- ☐ c. Rs. 375
- ☐ d. Rs. 355

Your answer is correct.

The correct answer is: Rs. 345

Question 3

Correct

Mark 1.00 out of 1.00

Out of all the 2-digit integers between 1 and 100, a 2-digit number has to be selected at random. What is the probability that the selected number is not divisible by 7?

- ☐ a. 63/90
- ☐ b. 73/90
- ☒ c. 77/90 ✓
- ☐ d. 67/90

Your answer is correct.

The correct answer is: 77/90

Question 4

Correct

Mark 1.00 out of 1.00

In an examination, the number of students who passed and the number of those who failed were in the ratio of 25 : 4. If five more students had appeared and the number of failed students was 2 less than earlier, the ratio of passed to failed students would have been 22 : 3. What is the number of students who appeared for the examination?

- ☐ a. 180
- ☐ b. 150
- ☐ c. 155
- ☒ d. 145 ✓

Your answer is correct.

The correct answer is: 145

Question 5

Correct

Mark 1.00 out of 1.00

A boy goes to school at a speed of 5 km/h and returns to the village at a speed of 4 km/h. If he takes 4 hours and 30 minutes in all, what is the distance between the village and the school?

- ☐ a. 4 km
- ☐ b. 7 km
- ☒ c. 10 km ✓
- ☐ d. 5 km

Your answer is correct.

The correct answer is: 10 km

Question 6

Correct

Mark 1.00 out of 1.00

Ananya, Dhairya and Chintu started a business investing Rs. 10000, 15000, 18000 respectively. Ananya kept the money for whole year, Dhairya kept his entire amount for 9 months and Chintu kept his money for 7 months. If after a year, Chintu earned Rs. 2100, find the difference between the profit of Ananya and Dhairya

- ☐ a. Rs. 160
- ☐ b. Rs. 200
- ☐ c. Rs. 300
- ☒ d. Rs. 250 ✓

Your answer is correct.

The correct answer is: Rs. 250

Question 7

Correct

Mark 1.00 out of 1.00

Average age of a class of 30 students is 13 years. The average age of a group of 9 students is 12 years and the average age of another group of 10 students is 14 years. What is the average age of the rest of the students?

- ☐ a. 13 years
- ☐ b. 16.91 years
- ☒ c. 12.91 years ✓
- ☐ d. 13.91 years

Your answer is correct.

The correct answer is: 12.91 years

Question 8

Correct

Mark 1.00 out of 1.00

If 6 years is subtracted from the present age of Randheer and the remainder is divided by 18, then the present age of his grandson Anup is obtained, If Anup is 2 year younger than Mahesh whose age is 5 Years, then what is the age of Randheer?

- ☐ a. 96 years
- ☒ b. 60 years ✓
- ☐ c. 48 years
- ☐ d. 84 years

Your answer is correct.

The correct answer is: 60 years

Question 9

Correct

Mark 1.00 out of 1.00

On what sum will the difference between the simple and the compound interest for 3 years at 5 percent per annum amount to Rs. 24.40?

- ☐ a. Rs. 3300
- ☒ b. Rs. 3200 ✓
- ☐ c. Rs. 2800
- ☐ d. Rs. 3587

Your answer is correct.

The correct answer is: Rs. 3200

Question 10

Correct

Mark 1.00 out of 1.00

. A trader has Mangoes worth Rs. 800, a part of which he sells for 10% loss and other part for 20% profit to make overall 10% profit. What is the worth of Mangoes he sold at 10% and 20% respectively?

- ☐ a. Rs. 600, Rs. 200
- ☐ b. Rs. 280, Rs. 5200
- ☒ c. Rs. 266.6, Rs. 533.4 ✓
- ☐ d. Rs. 233.3, Rs. 566.7

Your answer is correct.

The correct answer is: Rs. 266.6, Rs. 533.4

Question 11

Correct

Mark 1.00 out of 1.00

The students of a class are divided into 3 groups depending on their performance in a test the top, middle and bottom. The top group consists of 45% of the students, the middle group consists of 30% of the students and the rest are in the bottom group. The average marks of the bottom group are 20, those of the middle are 25 while the average marks for the entire class are 26. Find the average marks of the top group.

- ☐ a. 7
- ☐ b. 22
- ☒ c. 30 ✓
- ☐ d. 12

Your answer is correct.

The correct answer is: 30

Question 12

Correct

Mark 1.00 out of 1.00

A shopkeeper sold a T.V set for Rs. 17,940 with a discount of 8% and earned a profit of 19.6%. What would have been the percentage of profit earned if no discount was offered?

- ☐ a. 40%
- ☐ b. 10%
- ☐ c. 20%
- ☒ d. 30% ✓

Your answer is correct.

The correct answer is: 30%

Question 13

Incorrect

Mark 0.00 out of 1.00

A train takes 50 sec to cross a boy travelling at 6 kmph in the opposite direction to it. Another train which is half as long as and 25% faster takes 30 sec to cross the stationary pole. Find the approximate length of the second train.

- ☐ a. 125 m
- ☐ b. 190 m
- ☒ c. 75 m ✗
- ☐ d. 100m

Your answer is incorrect.

The correct answer is: 125 m

Question 14

Correct

Mark 1.00 out of 1.00

A boat takes 19 hours to travel downstream from point A to point B and coming back to a point C midway between A and B. If the speed of the stream is 4 km/hr and the speed of the boat in still water is 14 km/hr, what is the distance between A and B?

- ☐ a. 160 km
- ☐ b. 220 km
- ☒ c. 180 km ✓
- ☐ d. 200 km

Your answer is correct.

The correct answer is: 180 km

Question 15

Correct

Mark 1.00 out of 1.00

On what sum of money will the simple interest for 3 years at 8 percent per annum be half of the compound interest on Rs. 800 for 2 years at 10 percent per annum?

- ☒ a. Rs. 350 ✓
- ☐ b. Rs. 175
- ☐ c. Rs. 125
- ☐ d. Rs. 150

Your answer is correct.

The correct answer is: Rs. 350

Question 16

Correct

Mark 1.00 out of 1.00

. In a room everybody shakes hands with everybody else. The total number of handshakes is 66. The total number of persons in the room is

- ☐ a. 15
- ☐ b. 13
- ☐ c. 14
- ☒ d. 12 ✓

Your answer is correct.

The correct answer is: 12

Question 17

Correct

Mark 1.00 out of 1.00

In a clock displayed at a wall, the time displayed is 9 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 3 o'clock in the afternoon?

- ☐ a. 120 degree
- ☐ b. 160 degree
- ☒ c. 180 degree ✓
- ☐ d. 100 degree

Your answer is correct.

The correct answer is: 180 degree

Question 18

Correct

Mark 1.00 out of 1.00

If 2 kg of metal, of which $\frac{1}{3}$ is zinc and the rest is copper, be mixed with 3 kg of metal, of which $\frac{1}{4}$ is zinc and the rest is copper, then what will be the ratio of zinc to copper in the mixture?

- ☐ a. 19 : 43
- ☒ b. 17 : 43 ✓
- ☐ c. 13 : 42
- ☐ d. 15 : 42

Your answer is correct.

The correct answer is: 17 : 43

Question 19

Correct

Mark 1.00 out of 1.00

The ratio of the length to the breadth of a rectangular park is 3 : 2, if a man cycling along the boundary of the park at the speed of 12 Km/hr completes one round in 8 minutes, then what is the area of the park? (in sq m)

- ☐ a. 154000
- ☐ b. 307400
- ☐ c. 307200
- ☒ d. 153600 ✓

Your answer is correct.

The correct answer is: 153600

Question 20

Correct

Mark 1.00 out of 1.00

Sanjana buys two Activas on two different cost prices and for a total cost for Rs. 80000. By selling one for $\frac{3}{4}$ of its cost and another for $\frac{4}{3}$ of its cost, she earns a profit of Rs. 8000 on the whole cost. Find the cost price of the higher priced Activa

- ☐ a. Rs. 40000
- ☒ b. Rs. 48000 ✓
- ☐ c. Rs. 45000
- ☐ d. Rs. 50000

Your answer is correct.

The correct answer is: Rs. 48000