Started on	Saturday, 30 December 2023, 6:36 AM
State	Finished
Completed on	Saturday, 30 December 2023, 7:01 AM
Time taken	25 mins
Marks	11.00/25.00
Grade	**4.40** out of 10.00 (**44**%)

Question 1

Correct

Mark 1.00 out of 1.00

The difference between 20% of a number and 45% of the same number is 125. What is 40% of that number?

Select one:

- ○ 465
- ○ 196
- ● 200 ✓
- ○ 186

The correct answer is:
200

Question 2

Incorrect

Mark 0.00 out of 1.00

Vishal goes to a shop to buy a radio costing Rs.2568. The rate of sales tax is 7%. He tells the shopkeeper to reduce the price of the radio to such an extent that he has to pay Rs.2568, inclusive of all sales tax. Find the reduction needed in the price of the radio?

Select one:

Rs.172

- ○ Rs.168
- ○ Rs.170
- ● Rs.169 ✗

The correct answer is:
Rs.168

Question 3

Incorrect

Mark 0.00 out of 1.00

In 1978, a kg of paper was sold at Rs.25/-. If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

Select one:

- ○ 30.1
- ◉ 29.12 ✗
- ○ 29.21
- ○ None of these
- ○ 32.24

The correct answer is:
29.21

Question 4

Correct

Mark 1.00 out of 1.00

The tax on a commodity is diminished by 20% but its consumption is increased by 10%. Find the decrease percent in the revenue derived from it?

Select one:

- ○ 15%
- ○ 17%
- ◉ 12% ✓
- ○ 18%

The correct answer is:
12%

Question 5

Correct

Mark 1.00 out of 1.00

If A's income is 50% less than that of B's, then B's income is what percent more than that of A?

Select one:

- ⊙ 100 ✓
- ○ 75
- ○ 125
- ○ 50

The correct answer is:
100

Question 6

Correct

Mark 1.00 out of 1.00

Rs.39,030 is divide between A and B in such a way that amount given to A on C.I. in 7 years is equal to amount given to B on C.I. in 9 years. Find the part of A. If the rate of interest is 4%.

Select one:

- ○ 20000
- ○ 32000
- ⊙ 20280 ✓
- ○ 28000

The correct answer is:
20280

Question 7

Incorrect

Mark 0.00 out of 1.00

At what percentage above the cost price must an article be marked so as 10 gain 33% after allowing customer a discount of 5%?

Select one:

○ *48%*

○ *40%*

◉ *38%* ✗

○ *43%*

The correct answer is:
40%

Question 8

Correct

Mark 1.00 out of 1.00

A financier claims to be lending money at simple interest. But he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes.

Select one:

◉ 10.25% ✓

○ 9.25%

○ 10%

9%

The correct answer is:
10.25%

Question 9

Correct

Mark 1.00 out of 1.00

The equal amounts of money are deposited in two banks each at 15% per annum for 3.5 years and 5 years respectively. If the difference between their interests is Rs.144, find the each sum?

Select one:

- ○ 560
- ○ 600
- ○ 680
- ⦿ 640 ✓

The correct answer is:
640

Question 10

Incorrect

Mark 0.00 out of 1.00

Fresh fruits contain 72% water and dry fruit contains 20% water. How much can dry fruit from 100 kg of fresh fruit be obtained?

Select one:

- ○ 22 kg
- ⦿ 32 kg ✗
- ○ 27 kg
- ○ 35 kg

The correct answer is:
35 kg

Question 11

Incorrect

Mark 0.00 out of 1.00

A sum of Rs.900 amounts to Rs.950 in 3 years at simple interest. If the interest rate is increased by 4%, it would amount to how much?

Select one:

○ 1088 ✗

○ 1058

○ 1068

○ 1078

The correct answer is:
1058

Question 12

Incorrect

Mark 0.00 out of 1.00

Peter purchased a mobile phone; either he needs to pay the price of the mobile phone as a single payment or pay Rs.2000 as cash down payment followed by Rs.2200 at the end of the first year, Rs.2420 at the end of the second year, Rs.2662 at the end of the third year. Interest being compounded 10% per annum. What is the cash price of the mobile phone?

Select one:

○ Rs.4000

○ Rs.8000

○ Rs.3500

○ Rs.6000 ✗

The correct answer is:
Rs.8000

Question 13

Incorrect

Mark 0.00 out of 1.00

The cost of packaging of the oranges is 20% the cost of fresh oranges themselves. The cost of oranges increased by 30% but the cost of packaging decreased by 50%, then the percentage change of the cost of packed oranges, if the cost of packed oranges is equal to the sum of the cost of fresh oranges and cost of packaging

Select one:

○ 14.5%

○ 16.66%

◉ 13.66% ✗

○ None of these

○ 14.33%

The correct answer is:
16.66%

Question 14

Incorrect

Mark 0.00 out of 1.00

The least number of complete years in which a sum of money put out at 20% compound interest will be more than doubled is

Select one:

○ 5 years

◉ 6 years ✗

○ 4 years

○ 7 years

The correct answer is:
4 years

Question 15

Correct

Mark 1.00 out of 1.00

If A's income is 25% less than B's, by what % is B's income greater than that of A?

Select one:

○ 35%

○ 25%

○ 30%

◉ None of these ✓

The correct answer is:
None of these

Question 16

Correct

Mark 1.00 out of 1.00

Arun scored total 67% marks in 6 subjects having 100 marks each. Maths being his favourite subject, He scores 20% of the total marks in Maths only. Find out how much total does he scored in other subjects.

Select one:

◉ 321.6 ✓

○ 321

○ 300

○ 80.4

The correct answer is:
321.6

Question 17

Incorrect

Mark 0.00 out of 1.00

Find the simple interest on Rs.306.25 from March 3rd to July 27th (In the same year) at 3.75 percent.

Select one:

○ Rs.4.57

○ Rs.4.58

○ Rs.4.59

◉ Rs.4.53 ✗

The correct answer is:
Rs.4.59

Question 18

Incorrect

Mark 0.00 out of 1.00

A candidate attempted 12 questions and secured full marks in all of them. If he obtained 60% in the test and each question carried equal marks, then what was the total number of questions in the test?

Select one:

○ 36

○ 25

○ 20

◉ 30 ✗

The correct answer is:
20

Question 19

Correct

Mark 1.00 out of 1.00

In what time will Rs.1000 become Rs.1331 at 10% per annum compounded annually?

Select one:

- ○ 6 year
- ○ 4 year
- ○ 1 year
- ● 3 year ✓

The correct answer is:
3 year

Question 20

Incorrect

Mark 0.00 out of 1.00

What would be the compound interest accrued on an amount of Rs.9,000/- at the rate of 11 p.c.p.a. in two years?

Select one:

- ○ Rs.2088.90
- ○ Rs.2140.90
- ● Rs.2085 ✗
- ○ Rs.2068.50

The correct answer is:
Rs.2088.90

Question 21

Correct

Mark 1.00 out of 1.00

If 40% of the number exceeds the 25% of it by 54. Find the number

Select one:

- ○ *560*
- ○ *600*
- ● *360* ✓
- ○ *420*

The correct answer is:
360

Question 22

Incorrect

Mark 0.00 out of 1.00

If the simple interest on a sum of money for 2 years at 5% per annum is Rs.50, what will be the compound interest on same values?

Select one:

○ Rs.51.75

◉ Rs.51.50 ✗

○ Rs.51

○ Rs.51.25

The correct answer is:
Rs.51.25

Question 23

Incorrect

Mark 0.00 out of 1.00

An amount was lent for one year at the rate of 18% per annum compounding annually. Had the compounding been done half yearly, the interest would have increased by Rs.324. What was the amount (in Rs.) lent?

Select one:

○ 32000

◉ 10000 ✗

○ 15000

○ 40000

The correct answer is:
40000

Question 24

Correct

Mark 1.00 out of 1.00

A man saves Rs.200 at the end of each year and lends the money at 5% compound interest. How much will it become at the end of 3 years.

Select one:

○ Rs.662.01

○ Rs.662.03

◉ Rs.662.02 ✓

○ Rs.662

The correct answer is:
Rs.662.02

Question 25

Not answered

Marked out of 1.00

The price of sugar is increased by 25%. Find by how much percent the consumption of sugar be decreased so as not to increase the expenditure?

Select one:

○ 40%

○ 30%

○ 25%

○ 20%

The correct answer is:
20%