

Started on	Saturday, 30 December 2023, 4:36 PM
State	Finished
Completed on	Saturday, 30 December 2023, 5:01 PM
Time taken	25 mins
Marks	5.00/25.00
Grade	2.00 out of 10.00 (20%)

Question 1

Incorrect

Mark 0.00 out of 1.00

Sam and Hari started a business investing in the ratio of 5:6. Rita joined them after six months investing an amount equal to that of Hari's. At the end of the year, 20% profit was earned which was equal to Rs.98,000. What was the amount earned by Rita?

Select one:

- ☐ Rs.1,75,000
- ☐ Rs.2,10,000
- ☒ Rs.1,05,000 ✖
- ☐ Rs.2,20,000

The correct answer is:

Rs.2,10,000

Question 2

Incorrect

Mark 0.00 out of 1.00

A and B are partners in a business. A contributes $\frac{1}{4}$ of the capital for 15 months and B received $\frac{2}{3}$ of the profit. For how long B's money was used?

Select one:

- ☒ 12 months ✖
- ☐ 10 months
- ☐ 6 months
- ☐ 3 months

The correct answer is:

10 months

Question 3

Incorrect

Mark 0.00 out of 1.00

A and B started a business jointly A's investment was thrice the investment of B and the period of his investment was two times the period of investment of B. If B received Rs.4000 as profit, then their total profit is:

Select one:

- ☐ 26000
- ☐ 28000
- ☐ 22000
- ☒ 24000 ✗

The correct answer is:
28000

Question 4

Correct

Mark 1.00 out of 1.00

A trader marked his goods at such a price that after allowing a discount of $12\frac{1}{2}\%$ for cash payment, he makes a profit of 20%. What is the marked price of the good which costs Rs.210?

Select one:

- ☐ Rs.210
- ☐ Rs.470
- ☒ Rs.288 ✓
- ☐ Rs.300

The correct answer is:
Rs.288

Question 5

Incorrect

Mark 0.00 out of 1.00

A trader has 600 kgs of rice, a part of which he sells at 15% profit and the remaining quantity at 20% loss. On the whole, he incurs an overall loss of 6%. What is the quantity of rice he sold at 20% loss?

Select one:

- ☐ 360 kg
- ☐ 410 kg
- ☐ 300 kg
- ☒ 210 kg ✖

The correct answer is:
360 kg

Question 6

Incorrect

Mark 0.00 out of 1.00

Shreya started a software business by investing Rs.50,000. After six months, Anya joined her with a capital of Rs.80,000. After 3 years, they earned a profit of Rs.24,500. What was Shreya's share in the profit?

Select one:

- ☐ Rs.9,423
- ☒ Rs.12,500 ✖
- ☐ Rs.10,500
- ☐ Rs.10,250

The correct answer is:
Rs.10,500

Question 7

Incorrect

Mark 0.00 out of 1.00

Of the two varieties of rice available, variety A is bought at Rs.32 per kg and variety B at Rs.80 per kg. Two varieties of rice are mixed together in the respective ratio of 8:5 and the mixture is sold at Rs.72 per kg. What per cent of profit approximately the seller receives?

Select one:

- ☒ 50% ✖
- ☐ 30%
- ☐ 43%
- ☐ 40%

The correct answer is:
43%

Question 8

Correct

Mark 1.00 out of 1.00

Gupta, Singhal and Kansal start a business. If the ratio of their periods of investments are 1:2:5 and their profits are in the ratio of 3:4:5, find the ratio of capitals of Gupta, Singhal and Kansal.

Select one:

- ☒ 3:2:1 ✔
- ☐ 6:3:1
- ☐ 1:2:3

4:1:2

The correct answer is:
3:2:1

Question 9

Incorrect

Mark 0.00 out of 1.00

A and B began business with Rs.3000 and Rs.4000 after 8 months, A withdraws Rs.1000 and B advances Rs.1000 more. At the end of the year, their profits amounted to Rs.630 find the share of A?

Select one:

- ☐ 240
- ☒ 354 ✖
- ☐ 75
- ☐ 125

The correct answer is:

240

Question 10

Incorrect

Mark 0.00 out of 1.00

The average age of a group of 10 students is 15 years. When 5 more students joined the group, the average age rose by 1 year. Find the average age of the new students.

Select one:

- ☐ 17 yrs
- ☒ 16 yrs ✖
- ☐ 12 yrs
- ☐ 18 yrs

The correct answer is:

18 yrs

Question 11

Incorrect

Mark 0.00 out of 1.00

A and B start a business jointly. A invests Rs.16,000 for 8 months and B remains in the business for 4 months, Out of total profit, B claims - of the profit. How much money was contributed by B?

Select one:

- ☐ 13000
- ☐ 12800
- ☒ 12000 ✖
- ☐ 14500

The correct answer is:
12800

Question 12

Correct

Mark 1.00 out of 1.00

In a family of 8 males and a few ladies, the average monthly consumption of grain per head is 10.8 kg. If the average monthly consumption per head be 15 kg in the case of males and 6 kg in the case of females, find the number of females in the family.

Select one:

- ☒ 7 ✔
- ☐ 8
- ☐ 9
- ☐ 15

The correct answer is:
7

Question 13

Incorrect

Mark 0.00 out of 1.00

The average age of 20 women is 49. The age of the youngest woman is 32 years and that of the oldest woman is 56 years. If 2 women with ages 45 and 50 leave the group and 3 women join the group, the average remains unchanged. Find the average age of the 3 women who joined later.

Select one:

- ☐ 38 years
- ☐ 32 years
- ☒ 35 years ✖
- ☐ 48 years

The correct answer is:

48 years

Question 14

Incorrect

Mark 0.00 out of 1.00

A firm of readymade garments makes both men's and women's shirts. Its average profit is 6% of the sales. Its profit in men's shirts average 8% of the sales and women's shirts comprise 60% of the output. Find the average profit per sales rupee in women's shirts.

Select one:

- ☐ 0.0566
- ☒ 1.2560 ✖
- ☐ 0.0466
- ☐ 0.0125

The correct answer is:

0.0466

Question 15

Incorrect

Mark 0.00 out of 1.00

By selling 144 hens Mahesh suffer a loss equal to the selling price of 6 hens. Find his loss percent.

Select one:

- ☒ 3% ✖
- ☐ 9%
- ☐ 4%
- ☐ $4\frac{1}{2}\%$

The correct answer is:

4%

Question 16

Incorrect

Mark 0.00 out of 1.00

A shopkeeper bought a DVD marked at Rs.200 at successive discounts of 10% and 15% respectively. He spent Rs.7 on transport and sold the table for Rs.208. What will be his profit percentage?

Select one:

- ☐ 58%
- ☒ 50% ✖
- ☐ 44%
- ☐ 30%

The correct answer is:

30%

Question 17

Incorrect

Mark 0.00 out of 1.00

X, Y and Z enter into a partnership with a capital in which X's contribution is Rs.10000. If out of a total profit of Rs.1000, X gets Rs.500 and Y gets Rs.300 and then Z's capital is

Select one:

- ☐ Rs.4000
- ☐ Rs.6000
- ☒ Rs.5000 ✖
- ☐ Rs.2000

The correct answer is:

Rs.4000

Question 18

Correct

Mark 1.00 out of 1.00

A cloth merchant uses 120 cm scale while buying, instead a meter scale, but uses an 80 cm scale while selling the same cloth. If he offers a discount of 20% on cash payment. Find the profit percent.

Select one:

- ☒ 20% ✔
- ☐ 15%
- ☐ 35%
- ☐ 40%

The correct answer is:

20%

Question 19

Incorrect

Mark 0.00 out of 1.00

Reena and Shaloo are partners in a business, Reena invests Rs.35,000 for 8 months and Shaloo invests Rs.42,000 for 10 months, out of a profit of Rs.31,570, Reena's share is:

Select one:

- ☐ 18245
- ☐ 12628
- ☒ 10253 ✖
- ☐ 11235

The correct answer is:
12628

Question 20

Incorrect

Mark 0.00 out of 1.00

The average weight of 8 persons increases by 2.5 kg, when a new person comes in the place of one of them weighting 65 kg. Find the weight of the new person.

Select one:

- 80 kg
- ☐ 76.5 kg
- ☒ 76 kg ✖
- ☐ 85 kg

The correct answer is:
85 kg

Question 21

Incorrect

Mark 0.00 out of 1.00

A and B are dealers of a bike company. The price of a bike is Rs.28,000. A gives a discount of 10% on whole, while B gives a discount of 12% on the first Rs.20,000 and 8% on the rest Rs.8000. What is the difference between their selling price?

Select one:

- ☒ Rs.180 ✖
- ☐ Rs.110
- ☐ Rs.200
- ☐ Rs.240

The correct answer is:
Rs.240

Question 22

Correct

Mark 1.00 out of 1.00

The average weight of A, B, C is 84 kg. If D joins the group, the average weight of the group becomes 80 kg. If another man E who weighs 3 kg more than D replaces A, then the average of B, C, D and E becomes 79 kg. Find the weight of A.

Select one:

- ☐ 80 kg
- ☐ 64 kg
- ☒ 75 kg ✔
- ☐ 72 kg

The correct answer is:
75 kg

Question 23

Not answered

Marked out of 1.00

A bookseller procures 40 books for Rs.3200 and sells them at a profit equal to the selling price of 8 books. What is the selling price of one dozen books, if the price of each book is same?

Select one:

- ☐ Rs.1200
- ☐ Rs.1100
- ☐ Rs.1300
- ☐ Rs.800

The correct answer is:
Rs.1200

Question 24

Not answered

Marked out of 1.00

The ratio of cost price and marked price of an article is 2:3 and ratio of percentage profit and percentage discount is 3:2. What is the discount percentage?

Select one:

- ☐ 22.13%
- ☐ 20.25%
- ☐ 16.66%
- ☐ 18.58%

The correct answer is:
16.66%

Question 25

Not answered

Marked out of 1.00

The average weight of 50 balls is 5 gm. If the weight of the bag be included, the average weight increases by 0.05 gm. Find the weight of the bag in gm.

Select one:

- ☐ 7.05
- ☐ 6.05
- ☐ 5.05
- ☐ 7.55

The correct answer is:

7.55