

**OSSC  
Traffic SI**

**Previous Year Paper  
(Arithmetics)  
10 Sept, 2022**



Roll No:		
Registration No:	Registered Photo	Exam Day Photo
Name:	<input type="text"/>	<input type="text"/>
Exam Date: 10-Sep-2022		
Exam Time: 15:00-16:30		
Post Name: SI Traffic Arithmetics		

**Arithmetic - Arithmetic****Question No.1**

Marks: 1.00

Bookmark 

4 litres is drawn from a cask full of wine and is then filled with water. This operation is performed once more. The ratio of the quantity of wine now left in cask to that of the water is 25:11. How much wine did the cask hold originally? (In litres)

- (A)  22  
(B)  24 (Correct Answer)  
(C)  28  
(D)  26

**Question No.2**

Marks: 1.00

Bookmark 

The average of 8 observations is 17. A new observation is included and the new average is decreased by 1. Find the 9<sup>th</sup> observation.

- (A)  14  
(B)  10  
(C)  12  
(D)  8 (Correct Answer) (Chosen option)

**Question No.3**

Marks: 1.00

Bookmark 

Find the Principal (Rs) when simple interest = Rs.4260, rate = 15% p.a. and time = 2 years.

- (A)  14100  
(B)  14300  
(C)  14400  
(D)  14200 (Correct Answer) (Chosen option)

**Question No.4**

Marks: 1.00

Bookmark 

An article is bought for Rs.12608 and sold at Rs.15760. Find 25% of the profit. (In Rs.)

- (A)  788 (Correct Answer) (Chosen option)  
(B)  778  
(C)  758  
(D)  768

**Question No.5**

Marks: 1.00

Bookmark 

5100 candidates appeared for an examination, of which 3723 passed. Find the pass percentage.

- (A)  71  
(B)  75  
(C)  77  
(D)  73 (Correct Answer) (Chosen option)

**Question No.6**

Marks: 1.00

**Bookmark** 

A man travels at a speed of 126 kmph and covers a certain distance in 42 minutes. Find the distance covered in metres.

- (A)  85200  
(B)  86200  
(C)  87200  
(D)  **88200 (Correct Answer)** (Chosen option)

**Question No.7**

Marks: 1.00

**Bookmark** 

If 1089% of X = 1419% of 1089, what is the value of X?

- (A)  **1419 (Correct Answer)** (Chosen option)  
(B)  1219  
(C)  1119  
(D)  1319

**Question No.8**

Marks: 1.00

**Bookmark** 

If average of 11 numbers is 13, find their sum.

- (A)  145  
(B)  141  
(C)  **143 (Correct Answer)** (Chosen option)  
(D)  147

**Question No.9**

Marks: 1.00

**Bookmark** 

Lokesh buys a pair of shoes whose marked price is Rs.1800. He has to pay a sales tax of Rs.144. Find the rate of sales tax.

- (A)  6  
(B)  4  
(C)  **8 (Correct Answer)** (Chosen option)  
(D)  2

**Question No.10**

Marks: 1.00

**Bookmark** 

The rate of sales tax on trousers is 7%. One can buy a pair of trousers at Rs.13482. What is the marked price a pair of trousers? (In Rs.)

- (A)  12800  
(B)  12500  
(C)  12700  
(D)  **12600 (Correct Answer)** (Chosen option)

**Question No.11**

Marks: 1.00

**Bookmark** 

In what proportion must rice at Rs.21.20 per kg be mixed with rice at Rs.21.60 per kg, so that the mixture be worth Rs.21.40 a kg?

- (A)  2:1  
(B)  3:1  
(C)  **1:1 (Correct Answer)** (Chosen option)  
(D)  1:2

**Question No.12**

Marks: 1.00

Bookmark 

Solve:

$$2.272 - (0.5 \times 0.5 \times 0.6) = ?$$

- (A)  2.422  
(B)  **2.122 (Correct Answer)** (Chosen option)  
(C)  2.222  
(D)  2.322

**Question No.13**

Marks: 1.00

Bookmark 

73% of the population of a village is 11315. Find the total population of the village.

- (A)  14500  
(B)  **15500 (Correct Answer)** (Chosen option)  
(C)  13500  
(D)  16500

**Question No.14**

Marks: 1.00

Bookmark 

If 30% of X is 3786, find X.

- (A)  **12620 (Correct Answer)** (Chosen option)  
(B)  13620  
(C)  14620  
(D)  11620

**Question No.15**

Marks: 1.00

Bookmark 

Solve:

$$414 \times 2.75 = ?$$

- (A)  1338.5  
(B)  **1138.5 (Correct Answer)** (Chosen option)  
(C)  1438.5  
(D)  1238.5

**Question No.16**

Marks: 1.00

Bookmark 

The price of a colour TV is Rs.11938, inclusive of sales tax. If the printed price of the colour TV be Rs.9400 then find the rate of sales tax. (In %)

- (A)  29  
(B)  25  
(C)  **27 (Correct Answer)** (Chosen option)  
(D)  23

**Question No.17**

Marks: 1.00

Bookmark 

Find the amount on Rs.8400 for 2 years at 10% per annum, compounded annually. (In Rs.)

- (A)  **10164 (Correct Answer)** (Chosen option)  
(B)  10464  
(C)  10264  
(D)  10364

**Question No.18**

Marks: 1.00

Bookmark 

The printed price of a System monitor is Rs.8600. If a sales tax of 7% is realised from

the buyer, find the price at which the System monitor is sold? (In Rs.)

- (A)  9102  
 (B)  9404  
 (C)  **9202 (Correct Answer)** (Chosen option)  
 (D)  9302

**Question No.19**

Marks: 1.00

Bookmark

X and Y invested in a business. They earned some profit which they divided in the ratio of 5:6. If X invested Rs.55,000, find the amount invested by Y. (In Rs.)

- (A)  62000  
 (B)  64000  
 (C)  **66000 (Correct Answer)** (Chosen option)  
 (D)  68000

**Question No.20**

Marks: 1.00

Bookmark

Solve:

$$(31 \div 6) + (23 \div 6) = ?$$

- (A)  7  
 (B)  3  
 (C)  5  
 (D)  **9 (Correct Answer)** (Chosen option)

**Question No.21**

Marks: 1.00

Bookmark

Lemma travels at a speed of 125 kmph and she reaches the destination in 35 hours. Find the distance she travelled. (In km)

- (A)  4775  
 (B)  **4375 (Correct Answer)** (Chosen option)  
 (C)  4575  
 (D)  4175

**Question No.22**

Marks: 1.00

Bookmark

X and Y invest Rs.5400 and Rs.6400 respectively in a business. If X doubles his capital after 6 months, in what ratio should X and Y divide that year's profit?

- (A)  81:65  
 (B)  **81:64 (Correct Answer)** (Chosen option)  
 (C)  65:81  
 (D)  64:81

**Question No.23**

Marks: 1.00

Bookmark

What is the average of first five multiples of 12?

- (A)  34  
 (B)  40  
 (C)  **36 (Correct Answer)** (Chosen option)  
 (D)  38

**Question No.24**

Marks: 1.00

Bookmark

Find the sum invested at compound interest at 20% per annum which will amount to Rs.3600 in 2 years.

- (A)  2700  
(B)  2600  
(C)  2400  
(D)  **2500 (Correct Answer)** (Chosen option)

**Question No.25**

Marks: 1.00

**Bookmark** 

Average of 1<sup>st</sup> and 5<sup>th</sup> number in 5 consecutive number is 28. Find the sum of 5 numbers.

- (A)  130  
(B)  110  
(C)  120  
(D)  **140 (Correct Answer)** (Chosen option)

**Question No.26**

Marks: 1.00

**Bookmark** 

A pen is bought for Rs.12600 and sold at Rs.15120. Find the gain percentage.

- (A)  15  
(B)  **20 (Correct Answer)** (Chosen option)  
(C)  30  
(D)  25

**Question No.27**

Marks: 1.00

**Bookmark** 

Find the amount under simple interest on Rs.3600 at 15% per annum for 1.5 years. (In Rs.)

- (A)  **4410 (Correct Answer)** (Chosen option)  
(B)  4310  
(C)  4210  
(D)  4110

**Question No.28**

Marks: 1.00

**Bookmark** 

Solve:

$$(1 \div 13) - (1 \div 14) = ?$$

- (A)  **1/182 (Correct Answer)** (Chosen option)  
(B)  1/185  
(C)  1/184  
(D)  1/183

**Question No.29**

Marks: 1.00

**Bookmark** 

Solve:

$$448 + (227 \div 5) = ?$$

- (A)  491.4  
(B)  495.4  
(C)  **493.4 (Correct Answer)** (Chosen option)  
(D)  497.4

**Question No.30**

Marks: 1.00

**Bookmark** 

The ratio of wine and juice in a 90 liters mixture is 7:2. Find the quantity of wine to be added to the mixture in order to make this ratio 5:1. (In litres)

- (A)  25

- (B)  20  
(C)  30 (Correct Answer)  
(D)  35

**Question No.31**

Marks: 1.00

Bookmark 

A person incurs a loss of 15% by selling a watch for Rs.3230. At what price should the watch be sold to earn 15% profit? (In Rs.)

- (A)  4470  
(B)  4370 (Correct Answer) (Chosen option)  
(C)  4170  
(D)  4270

**Question No.32**

Marks: 1.00

Bookmark 

Find the average of 35, 87, 64, 96 and 73.

- (A)  77  
(B)  75  
(C)  71 (Correct Answer) (Chosen option)  
(D)  73

**Question No.33**

Marks: 1.00

Bookmark 

X can do a piece of work in 290 days. X worked at it for 65 days and then Y finished the remaining work in 225 days. In how many days can X and Y together finish the work?

- (A)  143  
(B)  147  
(C)  145 (Correct Answer)  
(D)  149

**Question No.34**

Marks: 1.00

Bookmark 

The average of 11 consecutive numbers is 35. Find the largest of these numbers.

- (A)  44  
(B)  46  
(C)  42  
(D)  40 (Correct Answer) (Chosen option)

**Question No.35**

Marks: 1.00

Bookmark 

A is thrice as good as workman as B and therefore is able to finish a job in 192 days less than B. Then A can do it in how many days?

- (A)  92  
(B)  94  
(C)  96 (Correct Answer) (Chosen option)  
(D)  98

**Question No.36**

Marks: 1.00

Bookmark 

Messi is twice good a workman as Neymar and together they can finish the same work in 22 days. In how many days will Messi alone finish the same work?

- (A)  33 (Correct Answer) (Chosen option)  
(B)  35  
(C)  37

(D)  31

**Question No.37**

Marks: 1.00

Bookmark

Find the time when:(in years)

Principal = Rs.9475, SI = Rs.17055 and rate = 12% p.a.

(A)  10

(B)  25

(C)  20

(D)  **15 (Correct Answer)**

**Question No.38**

Marks: 1.00

Bookmark

The price of an article increases from Rs.17600 to Rs.24464. Find the increase percentage. (In %)

(A)  41% decrease

(B)  **39% increase (Correct Answer)** (Chosen option)

(C)  41% increase

(D)  39% decrease

**Question No.39**

Marks: 1.00

Bookmark

Find the simple interest on Rs.7100 at 6% per annum for 5 years. (In Rs.)

(A)  **2130 (Correct Answer)** (Chosen option)

(B)  2430

(C)  2230

(D)  2330

**Question No.40**

Marks: 1.00

Bookmark

How much tea of variety A, costing Rs.26 a kg should be added to 36 kg of Type B tea at Rs.30 a kg so that the cost of the two tea variety mixture be worth Rs. 28.4 a kg?

(A)  28

(B)  22

(C)  26

(D)  **24 (Correct Answer)** (Chosen option)

**Question No.41**

Marks: 1.00

Bookmark

The average income of A and B is Rs.8000 and that of X and Y is Rs.9500. What is the average income of all the four people? (In Rs.)

(A)  **8750 (Correct Answer)** (Chosen option)

(B)  8950

(C)  8550

(D)  8250

**Question No.42**

Marks: 1.00

Bookmark

A man travels at a speed of 126 kmph and covers a distance of 1316 meters, find the time taken to cover the distance. (In seconds)

(A)  **37.6 (Correct Answer)** (Chosen option)

(B)  39.6

(C)  33.6

(D)  35.6



**Question No.43**

Marks: 1.00

Bookmark

Find the simple interest on Rs.10800 at 45% per annum for 6 months. (In Rs.)

- (A)  2230
- (B)  2130
- (C)  **2430 (Correct Answer)** (Chosen option)
- (D)  2340

**Question No.44**

Marks: 1.00

Bookmark

A train passes through a telegraph post in 62 seconds moving with a speed of 477 km per hour. Find the length of the train. (In metres)

- (A)  8315
- (B)  8415
- (C)  8115
- (D)  **8215 (Correct Answer)** (Chosen option)

**Question No.45**

Marks: 1.00

Bookmark

Simple interest on a sum at 20% per annum for 2 years is Rs.560. Find the amount under compound interest on the same sum for the same period. (In Rs.)

- (A)  2116
- (B)  2216
- (C)  2316
- (D)  **2016 (Correct Answer)** (Chosen option)

**Question No.46**

Marks: 1.00

Bookmark

A man covered a distance of 5221 km at speed of 227 kmph. Find the time taken to cover the given distance. (In hours)

- (A)  27
- (B)  21
- (C)  **23 (Correct Answer)** (Chosen option)
- (D)  25

**Question No.47**

Marks: 1.00

Bookmark

Find the average of first five prime numbers greater than 40.

- (A)  50.6
- (B)  44.6
- (C)  46.6
- (D)  **48.6 (Correct Answer)** (Chosen option)

**Question No.48**

Marks: 1.00

Bookmark

The price of a camera is Rs.10881 inclusive of sales tax. If the rate of sales tax is 17%, find the printed price of the camera.

- (A)  9500
- (B)  9700
- (C)  **9300 (Correct Answer)** (Chosen option)
- (D)  9100

**Question No.49**

Marks: 1.00

Bookmark 

Average marks obtained by Kavitha in 3 papers is 66 and in the fourth paper, she scored 72 marks. Find the new average of marks scored by Kavitha.

- (A)  65.5  
(B)  69.5  
(C)  **67.5 (Correct Answer)** (Chosen option)  
(D)  63.5

**Question No.50**

Marks: 1.00

Bookmark 

A starts business with Rs.6500 and after 7 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2:3. What is B's contribution in the capital? (In Rs.)

- (A)  25400  
(B)  21400  
(C)  **23400 (Correct Answer)**  
(D)  27400

**Question No.51**

Marks: 1.00

Bookmark 

An article is bought for Rs.11640 and sold at a loss of 10%. Find its selling price. (In Rs.)

- (A)  11476  
(B)  13476  
(C)  **10476 (Correct Answer)** (Chosen option)  
(D)  12476

**Question No.52**

Marks: 1.00

Bookmark 

A shop keeper had some books in stock. After selling 89% of the stock, he has 2519 books. How many books he initially had?

- (A)  21900  
(B)  24900  
(C)  **22900 (Correct Answer)** (Chosen option)  
(D)  23900

**Question No.53**

Marks: 1.00

Bookmark 

A traveller covers a distance of 5980 metres in 23 seconds, find the speed of the traveller. (In kmph)

- (A)  **936 (Correct Answer)** (Chosen option)  
(B)  976  
(C)  956  
(D)  996

**Question No.54**

Marks: 1.00

Bookmark 

The average of 5 terms is 85. If the first 4 terms are 50, 60, 120, and 90, what will be the last term?

- (A)  107  
(B)  103  
(C)  109  
(D)  **105 (Correct Answer)** (Chosen option)

**Question No.55**

Marks: 1.00

Bookmark

An article is bought for Rs.14472 and sold at Rs.10854. Find 15% of the loss. (In Rs.)

- (A)  541.7  
(B)  543.7  
(C)  **542.7 (Correct Answer)** (Chosen option)  
(D)  544.7

**Question No.56**

Marks: 1.00

Bookmark 

When an article is sold at Rs.13950, it incurred a loss of 10%. Find the cost price of the article. (In Rs.)

- (A)  16500  
(B)  14500  
(C)  13500  
(D)  **15500 (Correct Answer)** (Chosen option)

**Question No.57**

Marks: 1.00

Bookmark 

Solve:

$$28.95 - 46.25 - 21.25 + 82.05 = ?$$

- (A)  45.5  
(B)  47.5  
(C)  41.5  
(D)  **43.5 (Correct Answer)** (Chosen option)

**Question No.58**

Marks: 1.00

Bookmark 

A rice bag is bought for Rs.8400 and sold at a gain of 20%. Find its selling price. (In Rs.)

- (A)  10280  
(B)  **10080 (Correct Answer)** (Chosen option)  
(C)  10380  
(D)  10180

**Question No.59**

Marks: 1.00

Bookmark 

The difference between simple interest and compound interest at the same rate for Rs.5100 for 2 years is Rs.204. Find the rate of interest.

- (A)  15  
(B)  25 (Chosen option)  
(C)  **20 (Correct Answer)**  
(D)  10

**Question No.60**

Marks: 1.00

Bookmark 

The rate of sales tax on the marked price of an article is 13% and it is available at Rs.4181. If the rate of sale tax increases to 15%, find the price at which the article is available. (In Rs.)

- (A)  4155  
(B)  4455  
(C)  4355  
(D)  **4255 (Correct Answer)** (Chosen option)

**Question No.61**

Marks: 1.00

Bookmark 

If Kalyan drives from Mumbai to Pune at 44 kmph and returns from Pune to Mumbai in

the same direction at 56 kmph, what is his average speed for the whole journey? (In kmph)

- (A)  47.28  
(B)  48.28  
(C)  46.28  
(D)  49.28 (Correct Answer)

**Question No.62**

Marks: 1.00

Bookmark 

The average of 20 numbers is 45. If two numbers 84 and 60 are discarded, then find the average of the remaining set of numbers.

- (A)  48  
(B)  42 (Correct Answer) (Chosen option)  
(C)  46  
(D)  44

**Question No.63**

Marks: 1.00

Bookmark 

A and B can do a work in 390 days, B and C can do it in 130 days, A and C can do it in 65 days. In what time A, B and C together can do the work? (In days)

- (A)  78 (Correct Answer) (Chosen option)  
(B)  72  
(C)  74  
(D)  76

**Question No.64**

Marks: 1.00

Bookmark 

The cost difference between the selling prices of an article at a profit of 21% and 24% is Rs.72. Find the selling price of the article with 3% profit. (In Rs.)

- (A)  2172  
(B)  2372  
(C)  2272  
(D)  2472 (Correct Answer) (Chosen option)

**Question No.65**

Marks: 1.00

Bookmark 

Find 35% of 40% of 16600.

- (A)  2124  
(B)  2324 (Correct Answer) (Chosen option)  
(C)  2424  
(D)  2224

**Question No.66**

Marks: 1.00

Bookmark 

A can finish a work in 33 days and B can do the same work in 66 days. Working together, they will complete the same work in how many days?

- (A)  24  
(B)  26  
(C)  22 (Correct Answer) (Chosen option)  
(D)  28

**Question No.67**

Marks: 1.00

Bookmark 

Farook can do a piece of work in 98.5 days. Edwin is 25% more efficient than Farook.

Find the number of days taken by Edwin to do the same piece of work.

- (A)  76.8  
(B)  **78.8 (Correct Answer)** (Chosen option)  
(C)  77.8  
(D)  79.8

**Question No.68**

Marks: 1.00

Bookmark 

Solve:

$$17.4 \times (16 \div 12) \times 15 \times 6 = ?$$

- (A)  2388  
(B)  2188  
(C)  **2088 (Correct Answer)** (Chosen option)  
(D)  2288

**Question No.69**

Marks: 1.00

Bookmark 

13 kg of rice A at Rs.7 per kg is mixed with 7 kg of rice B to get a mixture costing Rs.9.1 per kg. Find the cost price of rice B. (In Rs.)

- (A)  15  
(B)  17  
(C)  **13 (Correct Answer)** (Chosen option)  
(D)  11

**Question No.70**

Marks: 1.00

Bookmark 

Solve:

$$(288 \div 240) \times (256 \div 320) = ?$$

- (A)  0.66  
(B)  0.76  
(C)  0.86  
(D)  **0.96 (Correct Answer)** (Chosen option)

**Question No.71**

Marks: 1.00

Bookmark 

If 25% of a certain number is 2400, then what is 225% of that number?

- (A)  **21600 (Correct Answer)** (Chosen option)  
(B)  24600  
(C)  22600  
(D)  23600

**Question No.72**

Marks: 1.00

Bookmark 

If the cost price of 312 pens is equal to the selling price of 260 pens, find the gain percent. (In %)

- (A)  **20 (Correct Answer)** (Chosen option)  
(B)  10  
(C)  15  
(D)  25

**Question No.73**

Marks: 1.00

Bookmark 

A man covered 648 km in 12 hours. Find the speed at which he travelled. (In kmph)

- (A)  58

- (B)  52  
(C)  54 (Correct Answer) (Chosen option)  
(D)  56

**Question No.74**

Marks: 1.00

Bookmark

If 62% of a number is added to 2736, then the result is the number itself. Find the number.

- (A)  7400  
(B)  7200 (Correct Answer) (Chosen option)  
(C)  7100  
(D)  7300

**Question No.75**

Marks: 1.00

Bookmark

What percent of 11.4 kg is 3078 gms?

- (A)  29  
(B)  23  
(C)  27 (Correct Answer) (Chosen option)  
(D)  25

**Question No.76**

Marks: 1.00

Bookmark

2 men and 3 boys can do a piece of work in 135 days while 3 men and 2 boys can do the same work in 108 days. In how many days can 5 men and 5 boy do the work?

- (A)  62  
(B)  64  
(C)  60 (Correct Answer)  
(D)  66

**Question No.77**

Marks: 1.00

Bookmark

The shopkeeper bought an article for Rs.8800 and sold it for Rs.7920. Find the loss percentage.

- (A)  25  
(B)  10 (Correct Answer) (Chosen option)  
(C)  20  
(D)  15

**Question No.78**

Marks: 1.00

Bookmark

A and B can do a piece of work in 18 days, while C and D can do the same work in 90 days. In how many days will A, B, C and D do it together?

- (A)  13  
(B)  19  
(C)  15 (Correct Answer) (Chosen option)  
(D)  17

**Question No.79**

Marks: 1.00

Bookmark

91 typists can type 91 lines in 91 minutes. How many typists are required to type 819 lines in 819 minutes?

- (A)  95  
(B)  91 (Correct Answer) (Chosen option)

- (C)  97  
(D)  93

**Question No.80**

Marks: 1.00

Bookmark 

How many seconds will Neymar take to cover a distance of 1935 meters, if he runs at a speed of 162 km/hr?

- (A)  **43 (Correct Answer)** (Chosen option)  
(B)  47  
(C)  45  
(D)  41

**Question No.81**

Marks: 1.00

Bookmark 

A bus takes 72 hours to complete a journey. It travels the first 36 hours at a speed of 64 kmph and travels the second 36 hours at a speed of 28 kmph. Find the average speed of the journey. (In kmph)

- (A)  44  
(B)  48  
(C)  42  
(D)  **46 (Correct Answer)** (Chosen option)

**Question No.82**

Marks: 1.00

Bookmark 

Solve:

$$625.25 + 277.15 - 515.65 = ?$$

- (A)  396.75  
(B)  376.75  
(C)  **386.75 (Correct Answer)** (Chosen option)  
(D)  366.75

**Question No.83**

Marks: 1.00

Bookmark 

A sum of money at simple interest amounts to Rs.7840 in 2 years and to Rs.8960 in 3 years. Find the sum. (In Rs.)

- (A)  5500  
(B)  **5600 (Correct Answer)** (Chosen option)  
(C)  5400  
(D)  5700

**Question No.84**

Marks: 1.00

Bookmark 

By selling a watch for Rs.10489, a man loses 15%. Find the cost price of the watch. (In Rs.)

- (A)  12240  
(B)  **12340 (Correct Answer)** (Chosen option)  
(C)  12140  
(D)  12440

**Question No.85**

Marks: 1.00

Bookmark 

The average of 10 numbers is 11. The average of 5 numbers of them is 9. What will be the average of remaining numbers?

- (A)  17  
(B)  **13 (Correct Answer)** (Chosen option)

- (C)  11  
(D)  15

**Question No.86**

Marks: 1.00

Bookmark

A man travels at a speed of 846 kmph and covers a certain distance in 34 seconds. Find the distance covered. (In metres)

- (A)  7790  
(B)  7690  
(C)  7890  
(D)  **7990 (Correct Answer)** (Chosen option)

**Question No.87**

Marks: 1.00

Bookmark

A merchant sells an article at a rate of Rs.16200 and earns a profit of 20%. Find the cost price of the article. (In Rs.)

- (A)  14500  
(B)  12500  
(C)  15500  
(D)  **13500 (Correct Answer)** (Chosen option)

**Question No.88**

Marks: 1.00

Bookmark

Pipe A can fill a tank in 132 minutes and Pipe B can fill the same tank in 264 minutes. If both pipes are opened together, how many minutes will it take to fill the empty tank?

- (A)  **88 (Correct Answer)** (Chosen option)  
(B)  84  
(C)  86  
(D)  82

**Question No.89**

Marks: 1.00

Bookmark

Pipe A can fill a tank in 372 minutes and Pipe B can empty the same tank in 465 minutes. If both pipes are opened together, how many hours will it take to fill the empty tank?

- (A)  **31 (Correct Answer)**  
(B)  35  
(C)  37  
(D)  33

**Question No.90**

Marks: 1.00

Bookmark

If the length and breadth of the rectangle are decreased by 20% and increased by 20% respectively, find the resultant area.

- (A)  **4% decrease (Correct Answer)**  
(B)  6% decrease  
(C)  4% increase  
(D)  6% increase

**Question No.91**

Marks: 1.00

Bookmark

If  $4(A's\ capital) = 5(B's\ capital) = 6(C's\ capital)$ , then find the ratio of their capitals.

- (A)  15:14:13  
(B)  **15:12:10 (Correct Answer)** (Chosen option)



- (C)  15:12:13  
(D)  15:13:13

**Question No.92**

Marks: 1.00

Bookmark 

A person saves 22% of his monthly salary after expenses. If his expenses for the month is Rs.37050, then find his monthly salary. (In Rs.)

- (A)  48500  
(B)  46500  
(C)  45500  
(D)  **47500 (Correct Answer)** (Chosen option)

**Question No.93**

Marks: 1.00

Bookmark 

At the end of two years, what will be the compound interest at the rate of 10% p.a. on an amount of Rs.7100?

- (A)  1591  
(B)  1391  
(C)  **1491 (Correct Answer)** (Chosen option)  
(D)  1291

**Question No.94**

Marks: 1.00

Bookmark 

If a traveller covers a distance of 7695 metres in 27 seconds, find the speed of the traveller. (In kmph)

- (A)  1226  
(B)  1326  
(C)  1126  
(D)  **1026 (Correct Answer)** (Chosen option)

**Question No.95**

Marks: 1.00

Bookmark 

Two varieties of sugar B1 and B2 cost Rs.50 and Rs.65 per kg respectively. In what ratio must B1 and B2 be mixed such that the cost price of the resultant sugar is Rs.59 per kg?

- (A)  **2:3 (Correct Answer)** (Chosen option)  
(B)  2:5  
(C)  3:2  
(D)  5:2

**Question No.96**

Marks: 1.00

Bookmark 

P, Q and R started a business by investing Rs.3055, Rs.2444 and Rs.3666 respectively. Find the share of R, out of the annual profit of Rs.9165. (In Rs.)

- (A)  3566  
(B)  3766  
(C)  3466  
(D)  **3666 (Correct Answer)** (Chosen option)

**Question No.97**

Marks: 1.00

Bookmark 

Solve:

$$117 - (117 \div 5) = ?$$

- (A)  95.6  
(B)  **93.6 (Correct Answer)** (Chosen option)

- (C)  91.6  
(D)  97.6

**Question No.98**

Marks: 1.00

Bookmark

A works twice as fast as B. If B can complete a work in 93 days independently, in how many days A and B together can finish the work?

- (A)  37  
(B)  33  
(C)  **31 (Correct Answer)** (Chosen option)  
(D)  35

**Question No.99**

Marks: 1.00

Bookmark

K, L, M together started a business. K invested Rs.6500 for 3 months, L invested Rs.3900 for 4 months and M invested Rs.7800 for 6 months. If they get a total profit of Rs.8190. Find the share of M? (in Rs)

- (A)  4580  
(B)  **4680 (Correct Answer)** (Chosen option)  
(C)  4780  
(D)  4980

**Question No.100**

Marks: 1.00

Bookmark

A sum of Rs.6150 earns an interest of Rs.3690 in 5 years at what rate of simple interest?

- (A)  **12 (Correct Answer)**  
(B)  16  
(C)  18 (Chosen option)  
(D)  14