

Delhi Police Constables (Executive) Exam : Held on 07-Dec-2017 Shift-1

(Numerical Ability)

QID: 86 - The sum of a positive number and its cube is 10. What is the value of the number? **Options:**

1) 1

2) 2

3) 3

4) 4

Correct Answer: 2

QID: 87 - What is the value of 13 + 23 + 93?

Options:

- 1) 2025
- 2) 3075
- 3) 1575
- 4) 1975

Correct Answer: 2025

QID: 88 -

What is the value of
$$1 + \frac{2}{1 + \frac{3}{2 + \frac{1}{2}}}$$
?

$$1 + \frac{2}{1 + \frac{3}{2 + \frac{1}{2}}}$$
 का मान क्या है?

Options:

1) 10/11

2) 7/11

3) 21/11

4) 12/11

Correct Answer: 21/11

QID: 89 - What is the Highest Common Factor of 14, 42 and 84?

Options:

1) 2

2) 7

3) 14

4) 1

Correct Answer: 14

QID: 90 -

What is the value of
$$\frac{(1.27)^2 - (1.05)^2}{0.22}$$
?

$$\frac{(1.27)^2 - (1.05)^2}{0.22}$$
 का मान क्या है?



Options:

1) 0.22 2) 2.22

3) 2.32

4) 2.42

Correct Answer: 2.32

QID : 91 - If 80% of P = 2/5 of Q, then what is P : Q? Options: 1) 2 : 1 2) 1 : 2 3) 1 : 4 4) 4 : 1 Correct Answer: 1 : 2

QID: 92 - The annual income of Rahul and Mohit are in the ratio 17 : 12 and the ratio of their expenditure is 5 : 3. If each of them saves Rs 9000 yearly, then what will be the annual income (in Rs) of Mohit?

Options:

- 1) 24000
- 2) 21000
- 3) 22400
- 4) 34000
- Correct Answer: 24000

QID: 93 - 12 persons have Rs 49 on an average. If a person with Rs 55.5 join them, then what will be the new average (in Rs)?

Options:

- 1) 49.5
- 2) 50
- 3) 49.75

4) 50.25

Correct Answer: 49.5

QID: 94 - What will be the simple interest (in Rs) on a sum of Rs 4000 for 6 years at the rate of 8% per annum?

Options:

1) 2020

2) 1920

3) 2080

4) 1860

Correct Answer: 1920

QID: 95 - Vyom purchased 30 dozen pens at the rate Rs 48 per dozen. He sold 10 dozen at 20% profit and the remaining 20 dozen at 10% profit. What is his profit percentage?

Options:

1) 13.33

2) 15.17

3) 25

4) 20

Correct Answer: 13.33

QID: 96 - The cost price of an article is 64% of the marked price. What will be the gain percentage after allowing a discount of 12% on the marked price?

Options:

1) 25

2) 37.5

3) 33.33

4) 40

Correct Answer: 37.5

QID: 97 - The ratio of the outer and the inner perimeter of a circular path is 14 : 11. If path is 15 meters wide, then what is the radius (in metres) of the inner circle?

Options:

1) 70

2) 33

3) 35

4) 55

Correct Answer: 55

QID: 98 - A boat covers 20 km upstream and 40 km downstream distance in 4 hours, while it covers

70 km upstream and 60 km downstream distance in 10 hours. What is the speed (in km/hr) of the current?

Options:

- 1) 10
- 2) 15
- 3) 5
- 4) 12.5

Correct Answer: 5

QID: 99 - P started a business by investing Rs 60000. After 4 months Q joined the business by investing Rs 80000. After 4 more months, R joined the business by investing Rs 100000. What will be the ratio of profits of P, Q and R at end of 2 years?

Options:

- 1) 9 : 11 : 10
- 2) 9 : 12 : 10
- 3) 12 : 14 : 15
- 4) 9 : 10 : 10

Correct Answer: 9 : 10 : 10

QID: 100 - S and V can do a work in 12 days. M and S can do the same work in 16 days. M and V can do the same work in 24 days. In how many days S, V and M together can complete the same work?

Options:

- 1) 32/3
- 2) 10
- 3) 16/3
- 4) 11

Correct Answer: 32/3



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