Delhi Police Constables (Executive) Exam : Held on 06-Dec-2017 Shift-3

(Numerical Ability)

QID : 286 - If 2n =   32, then what is the value of n?

Options:

1) 5/2

2) 3/2

3) 1/2

4) 7/2

Correct Answer: 5/2

QID : 287 - What is the value of 12 + 13 + 14 + …… 30?

Options:

1) 365

2) 399

3) 409

4) 465

Correct Answer: 399

QID : 288 -

What is the value of $3\frac{1}{2} + 5\frac{1}{6} + 7\frac{1}{12} + 9\frac{1}{20}$?

$3\frac{1}{2} + 5\frac{1}{6} + 7\frac{1}{12} + 9\frac{1}{20}$ का मान क्या है?

Options:

1) 124/5

2) 122/11

3) 120/7

4) 127/15

Correct Answer: 124/5

QID : 289 - What is the largest number that exactly divides 24, 36 and 60?

Options:

1) 8

2) 4

3) 12

4) 16

Correct Answer: 12

QID : 290 - What is the value of 0.12 ÷ 0.03 × 0.01?

Options:

1) 4.01

2) 0.04

3) 0.4

4) 0.0401

Correct Answer: 0.04

QID : 291 - If 60% of a number is added to 200, then the result is the number itself, then what is the number?
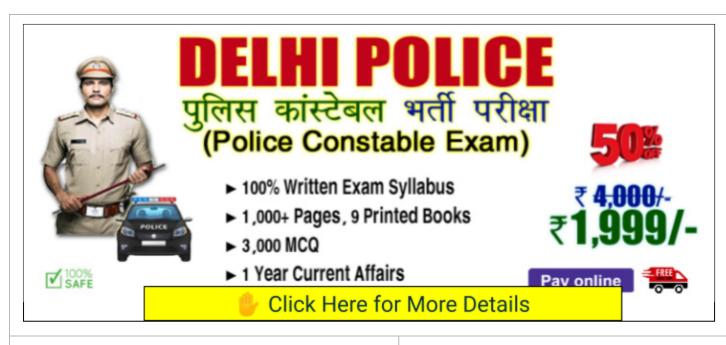
Options:

1) 500

2) 250

3) 600

4) 750

Correct Answer: 500

QID : 292 - A mixture contains alcohol and water in the ratio 1 : 5. If it contains 2 litres more water than alcohol,

then what will be the quantity (in litres) of water in mixture?

Options:

1) 3.5

2) 1

3) 2.5

4) 0.5

Correct Answer: 2.5

QID : 293 - What is the average of first 12 multiples of 5?

Options:

1) 31.5

2) 33.75

3) 32.5

4) 33.5

Correct Answer: 32.5

QID : 294 - A sum amounts to Rs 5240 in 2 years and amounts to Rs 6288 in 3 years on compound interest.

What is the rate of interest (in %) per annum?

Options:

1) 10

2) 20

3) 15

4) 30

Correct Answer: 20

QID : 295 - A trader bought an article for Rs 1400. What should be the selling price (in Rs) of the article to earn

a profit of 20%?

Options:

1) 1610

2) 1560

3) 1680

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4) 1780

Correct Answer: 1680

QID : 296 - A fan is sold at a discount of 20%. The cost price of the fan is Rs 960. If 30% profit is to be earned, then what should be the marked price (in Rs) of the fan?

Options:

1) 1820

2) 1600

3) 1560

4) 1340

Correct Answer: 1560

QID : 297 - If the area of a circle inscribed in a square is 16   cm2, then what will be the area (in cm2) of the square?

Options:

1) 64

2) 76

3) 25

4) 16

Correct Answer: 64

QID : 298 - The distance between place P and Q is 900 km. A train starts from place P at 8 am at a speed of 25 m/s. The train stops on the way for 1 hour 40 minutes. At what time (in p.m.) train will reach at Q?

Options:

1) 6 : 40

2) 7 : 40

3) 8 : 05

4) 7 : 20

Correct Answer: 7 : 40

QID : 299 - A starts a business by investing Rs 35000. After 5 months B joins the business with an investement of Rs 50000. What will be the ratio of their profit at the end of the year?

Options:

1) 6 : 5

2) 7 : 10

3) 12 : 7

4) 8 : 5

Correct Answer: 6 : 5

QID : 300 - Two taps J and L can fill a tank in 12 minutes and 14 minutes respectively. If an outlet tap K is opened, then all three can together fill the tank in 21 minutes. How much time (in minutes) will tap K take to empty the tank?

Options:

1) 39/4

2) 32/3

3) 28/3

4) 10

Correct Answer: 28/3

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