

Approximation Questions for SBI PO 2020 PDF

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Instructions

For the following questions answer them individually

Question 1

What approximate value should come in place of question mark(?) in the following equation?

 $9876 \div 24.96 + 215.005 - ? = 309.99$

- **A** 395
- **B** 295
- **C** 300
- **D** 315
- **E** 310

Answer: C

Explanation:

Let x be the value of the unknown number.

$$= 395.67 - 94.985 = \approx 300$$

Question 2

What approximate value should come in place of the question mark (?) in the following equation ?

 $695.95 \div 29.07 \times ? + 40.25 = 399.99$

- **A** 14
- **B** 17
- **C** 12
- **D** 16
- **E** 15

Answer: E

Explanation:

Let the number to replace the question mark be equal to $\, X \,$

Hence,
$$695.95 \div 29.07 \times X + 40.25 = 399.99$$

$$399.99 pprox 400$$
 and $695.95 pprox 696$ and $29.07 pprox 29$

So, the expression looks like $696 \div 29 \times X + 40 = 400$

Hence,
$$24 imes X = 360$$
 or $X = 15$

Question 3

What approximate value should come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)

$$9980 \div 49 \times (4.9)^2 - 1130 = ?$$

- **A** 3800
- **B** 4500
- **C** 2600



Explanation:

Since an approximate answer is sufficient, you can rewrite the question as $~10000 \div 50 \times 5^2 - 1130$

Following BDMAS rule the result is 3870.

The nearest value is 3800.

Hence Option A is the correct answer.

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Question 4

What approximate value should come in place of question mark(?) in the following equation ? $9876 \div 24.96 + 215.005 - ? = 309.99$

A 395

B 295

C 300

D 315

E 310

Answer: C

Explanation:

Let x be the value of the unknown number.

y=
$$^{9876}_{24.96}$$
 + 215.005 - 309.99

$$= 395.67 - 94.985 = \approx 300$$

Question 5

What approximate value should come in place of the question mark (?) in the following equation ?

$$29.38 \times 37.05 \div ? + 7.45 = 100.5$$

A 10

B 13

C 14.5

D 1.35

E 12

Answer: E

Explanation:

Let the number to come in place of the question mark be equal to $\, X \,$

So,
$$29.38 \times 37.05 \div X + 7.45 = 100.5$$

Or,
$$29.38 \times 37.05 \div X = 93.05$$

So,
$$X = {}^{29.38 \times 37.05}_{93.05} = 11.69 \approx 12$$

Question 6

21+ 3.9× 2.9 + 8.99 = ?

- **A** 42
- **B** 46
- **C** 44
- **D** 34
- **E** 36

Answer: A

Explanation:

21 + 4 x 3 + 9

= 42



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Question 7

22.9889 + 0.002 ÷ ? = 23

- **A** 23
- **B** 1
- **C** 23²
- **D** 24
- E None of these

Answer: B

Explanation:

- 22.9889 + 0.002 ÷ 1
- = 22.9889 + 0.002
- = 22.9891 ≈ 23

Question 8

5.26% of 95 + 5.88% of 170 = ?

- **A** 16
- **B** 15
- **C** 14
- **D** 13
- **E** 17

Answer: B

Explanation:

5+10 = 15 (5.26% = 1/19 and 5.88% = 1/17)

Question 9

20% of 200 + 7.14% of 140 = ?

- **A** 30
- **B** 40
- **C** 50
- **D** 60
- **E** 70

Answer: C

Explanation:

40+10 = 50 (7.14% = 1/14)



Question 10

16.66% of 600 + 9.09% of 110 = ?

- **A** 110
- **B** 120
- **C** 130
- **D** 140
- **E** 150

Answer: A

Explanation:

100+10 = 110 (16.66% = 1/6 and 9.09% = 1/11)

Question 11

11.11% of 90 + 8.33% of 120 =?

- **A** 20
- **B** 30
- **C** 40
- **D** 50
- **E** 60

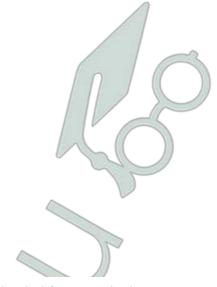
Answer: A

Explanation:

10+10 = 20 (11.11% = 1/9 and 8.33% = 1/12)

Question 12

5.88% of 85 + 5% of 200 = ?





- **B** 15
- **C** 16
- **D** 17
- **E** 18

Answer: B

Explanation:

5+10 = 15 (5.88% = 1/17)

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Question 13

12.5% of 64 + 11.11% of 90 = ?

- **A** 18
- **B** 19
- **C** 20
- **D** 22
- **E** 24

Answer: A

Explanation:

8+10 = 18 (12.5% = 1/8 and 11.11% = 1/9)

Question 14

7.69% of 130 + 6.66% of 150 = ?

- **A** 20
- **B** 21
- **C** 22
- **D** 23
- **E** 24

Answer: A

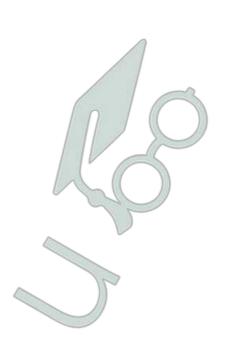
Explanation:

10+10 = 20 (7.69% = 1/13 and 6.66%=1/15)

Question 15

33.33% of 150 + 66.66% of 180 = ?% of 1700

- **A** 30
- **B** 25



E 15

Answer: D

Explanation:

As we can see that 33.33% of 150 will be $\frac{1}{3}$ of 150 i.e. 50 and 66.66% of 180 will be $\frac{2}{3}$ of 180 i.e. 120 Hence, sum will be = 170 which will be 10% of 1700. So answer will be d

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