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Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UPTET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

Banking Advance Level Simplification Test - 01

Total Time: 8 Minute

Total Marks: 10

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	Chapter Test	10	10	0.25	1

- 1.) A total of 8 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

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Chapter Test

1. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$549 \div 3 \times 54 - 25 \times 321 + 31 = ?$$

- a. 1888
- b. 1886
- c. 1866
- d. 1898
- e. 1889

2. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$37.5\% \text{ of } \sqrt{576} + 150\% \text{ of } \sqrt{1024} = (?) + 12.5\% \text{ of } 96$$

- a. 45
- b. 30
- c. 62
- d. 47
- e. 32

3. What should come in the place of the question mark '?' in the following question? (+1, -0.25)

$$(\sqrt{0.1024}) + (\sqrt{0.2401}) + (\sqrt{0.1225}) - (\sqrt{0.6400}) = (?)^2$$

- a. 0.36
- b. 0.6
- c. 0.216
- d. 0.66
- e. None of these

-
4. What should come in the place of the question mark '?' in the following question? (+1, -0.25)

$$12 \times 87 + 12 \times 114 + 93 \times 12 - 44 \times 12 = ?$$

- a. 2000
- b. 2500
- c. 3000
- d. 3500
- e. None of these

-
5. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$(\sqrt{1024} + 19 \times 12) \div \sqrt{676} - 4 + 4680 \div ? = 474$$

- a. 11
- b. 3

- c. 8
- d. 16
- e. 10

6. What value should come in place of question mark (?) in the following question? (+1, -0.25)

$$\sqrt{225} + (1500 \text{ of } 55\%) - \{(45)^2 \div 81 \times 4\} + 20 - 16 = ?$$

- a. 746
- b. 744
- c. 742
- d. 748
- e. 752

7. What value should come in place of question mark (?) in the following question? (+1, -0.25)

$$\sqrt{(8836)} \times 20 \times 4 + \sqrt{(5041)} \times 10 \times 8 - \sqrt{(4489)} \times 5 \times 0.20 = ?$$

- a. 13133
- b. 13313
- c. 11333
- d. 13113
- e. 11331

8. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$(8375 \div 67)^{1/3} + (7.84 \times 25)^{1/2} = (?)^{1/2}$$

- a. 456
- b. 361
- c. 324
- d. 338
- e. 432

9. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$\{30 - (150 \div 6 - 8 + 4)\} \times [\{(5 \times 14 \times 81)/(7 \times 2 \times 9)\} + 60] = ?$$

- a. 920
- b. 935
- c. 945
- d. 925
- e. 930

10. What will come in the place of the question mark '?' in the following question? (+1, -0.25)

$$(1/2) \text{ of } (7/2) \div \{(1/4) + (1/2) - (2/3)\} - 16 + 3 \times (1/3) \div (1/4) = 3^?$$

- a. 2
- b. 1
- c. 3
- d. 5
- e. 4

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Answers

1. Answer: a

Explanation:

Calculation:

We use the BODMAS rule as follows:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

According to the rule 'division' should be solved first

$$\Rightarrow 549 \div 3 \times 54 - 25 \times 321 + 31 = ?$$

$$\Rightarrow 183 \times 54 - 25 \times 321 + 31 = ?$$

$$\Rightarrow 9882 - 8025 + 31 = ?$$

$$\Rightarrow 9913 - 8025 = ?$$

$$\Rightarrow ? = 1888$$

\therefore required answer is 1888.

2. Answer: a

Explanation:

Given:

$$37.5\% \text{ of } \sqrt{576} + 150\% \text{ of } \sqrt{1024} = (?) + 12.5\% \text{ of } 96$$

Concept Used:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$37.5\% \text{ of } \sqrt{576} + 150\% \text{ of } \sqrt{1024} = (?) + 12.5\% \text{ of } 96$$

$$\Rightarrow 37.5\% \text{ of } 24 + 150\% \text{ of } 32 = (?) + 12.5\% \text{ of } 96$$

$$\Rightarrow (3/8) \text{ of } 24 + (3/2) \text{ of } 32 = (?) + (1/8) \text{ of } 96$$

$$\Rightarrow 9 + 48 = (?) + 12$$

$$\Rightarrow ? = 48 + 9 - 12$$

$$\Rightarrow ? = 45$$

∴ The value of ? is 45.

3. Answer: b

Explanation:

Given:

$$(\sqrt{0.1024}) + (\sqrt{0.2401}) + (\sqrt{0.1225}) - (\sqrt{0.6400}) = (?)^2$$

Concept Used:

Follow the BODMAS rule according to the table given below:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$(\sqrt{0.1024}) + (\sqrt{0.2401}) + (\sqrt{0.1225}) - (\sqrt{0.6400}) = (?)^2$$

$$\Rightarrow (\sqrt{1024/10000}) + (\sqrt{2401/10000}) + (\sqrt{1225/10000}) - (\sqrt{6400/10000}) = (?)^2$$

$$\Rightarrow (32/100) + (49/100) + (35/100) - (80/100) = (?)^2$$

$$\Rightarrow (116 - 80)/100 = (?)^2$$

$$\Rightarrow 36/100 = (?)^2$$

$$\Rightarrow ? = (\sqrt{36/100})$$

$$\Rightarrow ? = 6/10$$

$$\Rightarrow ? = 0.6$$

∴ The value of ‘?’ is 0.6.

★ Alternate Method

$$(\sqrt{0.1024}) + (\sqrt{0.2401}) + (\sqrt{0.1225}) - (\sqrt{0.6400}) = (?)^2$$

$$\Rightarrow 0.32 + 0.49 + 0.35 - 0.8 = (?)^2$$

$$\Rightarrow 1.16 - 0.8 = (?)^2$$

$$\Rightarrow 0.36 = (?)^2$$

$$\Rightarrow ? = \sqrt{0.36}$$

$$\Rightarrow ? = 0.6$$

∴ The value of '?' is 0.6.

4. Answer: c

Explanation:

Given:

$$12 \times 87 + 12 \times 114 + 93 \times 12 - 44 \times 12 = ?$$

Concept:

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Follow the BODMAS rule according to the table given below:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$12 \times 87 + 12 \times 114 + 93 \times 12 - 44 \times 12 = ?$$

$$\Rightarrow 1044 + 1368 + 1116 - 528 = ?$$

$$\Rightarrow 3528 - 528 = ?$$

$$\Rightarrow ? = 3000$$

\therefore The value of '?' is 3000.

★ Alternate Method

$$12 \times 87 + 12 \times 114 + 93 \times 12 - 44 \times 12 = ?$$

$$\Rightarrow 12(87 + 114 + 93 - 44) = ?$$

$$\Rightarrow 12 \times 250 = ?$$

$$\Rightarrow ? = 3000$$

\therefore The value of '?' is 3000.

5. Answer: e

Explanation:

Given:

$$(\sqrt{1024} + 19 \times 12) \div \sqrt{676} - 4 + 4680 \div ? = 474$$

Concept Used:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$(\sqrt{1024} + 19 \times 12) \div \sqrt{676} - 4 + 4680 \div ? = 474$$

$$\Rightarrow (32 + 228) \div 26 - 4 + 4680 \div ? = 474$$

$$\Rightarrow 10 - 4 + 4680 \div ? = 474$$

$$\Rightarrow 4680 \div ? = 468$$

$$\Rightarrow 4680 \div 468 = ?$$

$$\Rightarrow ? = 10$$

∴ The value of (?) is 10.

6. Answer: b

Explanation:

Concept:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$\sqrt{225} + (1500 \text{ of } 55\%) - \{(45)^2 \div 81 \times 4\} + 20 - 16 = ?$$

$$\Rightarrow 15 + 825 - 25 \times 4 + 20 - 16$$

$$\Rightarrow 15 + 825 - 100 + 20 - 16$$

$$\Rightarrow 840 - 100 + 20 - 16$$

$$\Rightarrow 740 + 4$$

$$\Rightarrow 744$$

∴ Answer is 744

7. Answer: a

Explanation:

Concept: Students should remember that square and square roots are one of the most important aspects that they need to learn in order to crack the exam.

Solution:

$$\sqrt{8836} = 94$$

$$\sqrt{5041} = 71$$

$$\sqrt{4489} = 67$$

So the equation becomes,

$$94 \times 80 + 71 \times 80 - 67$$

$$= 80 \times (94 + 71) - 67$$

$$= 80 \times 165 - 67$$

$$= 13200 - 67$$

$$= 13133$$

8. Answer: b

Explanation:

Given:

$$(8375 \div 67)^{1/3} + (7.84 \times 25)^{1/2} = (?)^{1/2}$$

Concept used:

Follow the BODMAS rule according to the table given below:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

Using the BODMAS rule

$$\Rightarrow (8375 \div 67)^{1/3} + (7.84 \times 25)^{1/2} = (?)^{1/2}$$

$$\Rightarrow (125)^{1/3} + (7.84 \times 25)^{1/2} = (?)^{1/2}$$

$$\Rightarrow (125)^{1/3} + (196)^{1/2} = (?)^{1/2}$$

$$\Rightarrow 5 + 14 = (?)^{1/2}$$

$$\Rightarrow (?)^{1/2} = 19$$

Squaring both sides,

$$\Rightarrow ? = 19^2$$

$$\Rightarrow ? = 361$$

\therefore 361 will come in place of '?'

9. Answer: c

Explanation:

We have to follow the BODMAS rule

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$\{30 - (150 \div 6 - 8 + 4)\} \times [\{(5 \times 14 \times 81)/(7 \times 2 \times 9)\} + 60] = ?$$

$$\Rightarrow \{30 - (25 - 8 + 4)\} \times [\{(5 \times 14 \times 81)/(7 \times 2 \times 9)\} + 60] = ?$$

$$\Rightarrow \{30 - (21)\} \times [\{(5 \times 14 \times 81)/(7 \times 2 \times 9)\} + 60] = ?$$

$$\Rightarrow 9 \times [\{(5 \times 14 \times 81)/(7 \times 2 \times 9)\} + 60] = ?$$

$$\Rightarrow 9 \times [45 + 60] = ?$$

$$\Rightarrow 9 \times 105 = 945 = ?$$

$$\Rightarrow ? = 945 = ?$$

\therefore The value of ? is 945 .

10. Answer: a

Explanation:

Concept used:

We have to follow the BODMAS rule.

B	Brackets in order {}, {}, []	ब्रैकेट {}, {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$(1/2) \text{ of } (7/2) \div \{(1/4) + (1/2) - (2/3)\} - 16 + 3 \times (1/3) \div (1/4) = 3^?$$

$$\Rightarrow \{(1/2) \times (7/2)\} \div \{(3 + 6 - 8)/12\} - 16 + 3 \times \{(1/3) \times 4\} = 3^?$$

$$\Rightarrow \{7/4\} \div \{1/12\} - 16 + 3 \times (4/3) = 3^?$$

$$\Rightarrow \{7/4\} \times 12 - 16 + 4 = 3^?$$

$$\Rightarrow 21 - 16 + 4 = 3^?$$

$$\Rightarrow 25 - 16 = 3^?$$

$$\Rightarrow 9 = 3^?$$

$$\Rightarrow 3^2 = 3^?$$

$$\Rightarrow ? = 2$$

\therefore The value of '?' is 2

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