Course: IBPS PO Pre

Subject: : Approximation

Time:10 Minutes
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Directions (1-15): **निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या अनुमानित मान आएगा, (सटीक मान की गणना करना अपेक्षित नहीं है):**

Q1. 180% of 25501 + 50% of 28999 = ?
(a) 62400
(b) 64000
(c) 60400
(d) 64200
(e) 60600
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q2. 171.995 × 14.995 ÷ 25 = ?
(a) 103
(b) 115
(c) 110
(d) 125
(e) 118
L1Difficulty 2
QTagsApproximation
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Q3. 175 × 28 + 275 × 27.98 = ?
(a) 11800
(b) 12600
(c) 12800
(d) 11600
(e) 16200
L1Difficulty 2
QTagsApproximation
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Q4. 324.995 × 15.98 ÷ 4.002 + 36.88 = ?
(a) 1300
(b) 1230
(c) 1340
(d) 1380
(e) 1390

L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q5. 1164 × 128 ÷ 8.008 + 969.007 = ?
(a) 18800
(b) 19393
(c) 19593
(d) 19200
(e) 20293
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q6. $\sqrt{624.98} + \sqrt{729.25} = ?$
(a) 58
(b) 56
(c) 52
(d) 61
(e) 62
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q7. 69.008% of 699.98 + 32.99% of 399.999 = ?
(a) 615
(b) 645
(c) 675
(d) 715
(e) 815
L1Difficulty 2
QTagsApproximation
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Q8. (9321 + 5406 + 1001) ÷ (498 + 929 + 660) = ?
(a) 13.5
(b) 4.5
(c) 2.5
(d) 7.5
(e) 21.5
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q9. 63.5% of 8924.2 + ?% of 5324.4 = 6827.5862

(a) 36
(b) 52
(c) 13
(d) 21
(e) 41
L1Difficulty 2
QTagsApproximation
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Q10. 67% of 801 – 231.17 = ? – 23% of 789
(a) 490
(b) 440
(c) 540
(d) 520
(e) 590
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q11. 499.99 + 1999 ÷ 39.99 × 50.01 = ?
(a) 3200
(b) 2700
(c) 3000
(d) 2500
(e) 2400
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q12. 441.01 – 232.99 + 1649.99 = ? + 1225.92
(a) 600
(b) 630
(c) 660
(d) 690
(e) 720
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q13. $(216\% \text{ of } 99)^{\frac{1}{3}} + (43\% \text{ of } 601)^{\frac{1}{2}} = ?$
(a) 18
(b) 22
(c) 26
(d) 30
(e) 33

L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q14. 89.988% of 699.9 + 50.002% of 999.99 – 170.015 = ?
(a) 990
(b) 900
(c) 920
(d) 960
(e) 860
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Q15. $(49.99)^2 - (8.9)^2 - (15.9)^2 = ?$
(a) 2165
(b) 2000
(c) 1965
(d) 1920
(e) 1885
L1Difficulty 2
QTagsApproximation
QCreator Deepak Rohilla

Solutions

S1. Ans.(c)
Sol.
$$? \simeq 1.8 \times 25500 + \frac{50}{100} \times 29000$$
$$\simeq 60{,}400$$

S2. Ans.(a)
Sol.
$$? \simeq 172 \times 15 \div 25$$
$$\simeq 103$$

S3. Ans.(b)
Sol.
$$? \simeq 175 \times 28 + 275 \times 28$$
$$\simeq 12{,}600$$

S4. Ans.(c)
Sol.
$$? \simeq 325 \times 16 \div 4 + 37$$
$$\simeq 1337 \simeq 1340$$

S5. Ans.(c)

Sol. $? \simeq 1164 \times 128 \div 8 + 969$

$\simeq 19593$

S6. Ans.(c)

Sol. $? \simeq 25 + 27$

$\simeq 52$

S7. Ans.(a)

Sol. $? \simeq \frac{69}{100} \times 700 + \frac{33}{100} \times 400$

$\simeq 483 + 132$

$\simeq 615$

S8. Ans.(d)

Sol. $? \simeq \frac{(9320 + 5400 + 1000)}{(500 + 930 + 660)}$

$\simeq 7.5$

S9. Ans.(d)

Sol. $\frac{64}{100} \times 8924 + \frac{?}{100} \times 5324 \simeq 6828$

$\Rightarrow ? \simeq 21$

S10. Ans.(a)

Sol. $? \approx \frac{67 \times 800}{100} - 231 + \frac{23 \times 790}{100}$

$\approx 536 - 231 + 181.7$

≈ 490

S11. Ans.(c)

Sol. $? \approx 500 + 2000 \div 40 \times 50$

$\approx 500 + \frac{2000}{40} \times 50 \approx 500 + 2500 \approx 3000$

S12. Ans.(b)

Sol. $441 - 233 + 1650 = ? + 1226$

$\Rightarrow 1858 \approx ? + 1226$

$\Rightarrow ? \approx 1858 - 1226 \approx 632$

$\therefore$ Required answer = 630

S13. Ans.(b)

Sol. $? \approx \left(\frac{100 \times 216}{100}\right)^{\frac{1}{3}} + \left(\frac{600 \times 43}{100}\right)^{\frac{1}{2}}$

$\approx (216)^{\frac{1}{3}} + (256)^{\frac{1}{2}} = 6 + 16 = 22$

S14. Ans.(d)

Sol. $? \approx \frac{700 \times 90}{100} + \frac{1000 \times 50}{100} - 170$

$\approx 630 + 500 - 170 \approx 960$

S15. Ans.(a)

Sol. $? \approx (50)^2 - (9)^2 - (16)^2$

$\approx 2500 - 81 - 256 \approx 2165$