

Course: SBI PO Pre

Subject: Approximation

Time: 10 Minutes

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Direction (1-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर लगभग क्या मान आएगा-

Q1. $\frac{420.12}{?} = (361.11)^{\frac{1}{2}} - 22.01 \times 6.99 + 141.99$

- (a) 60
- (b) 70
- (c) 40
- (d) 35
- (e) 7

L1Difficulty 2

QTagsApproximation

QCreatorDeepak Rohilla

Q2. $? + 185.10 - 79.09 = (23.01)^2 - 139.99$ का 70.01%

- (a) 400
- (b) 375
- (c) 350
- (d) 325
- (e) 300

L1Difficulty 2

QTagsApproximation

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Q3. $\sqrt{783.98} + (22.02)^2 = 2 \times (?)^2$

- (a) 4
- (b) 8
- (c) 16
- (d) 32
- (e) 64

L1Difficulty 2

QTagsApproximation

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Q4. 349.98 का 44.04% + 140.01 का 205.01% = $(?)^2$

- (a) 29
- (b) 361
- (c) 19
- (d) 441

(e) 21

L1Difficulty 2

QTagsApproximation

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Q5. $\frac{?}{4} + 44.01 + 139.99 = 78.09 + 249.01 + 86.99$

(a) 230

(b) 920

(c) 220

(d) 1880

(e) 960

L1Difficulty 2

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Q6. $(32.13)^2 + (23.96)^2 - (17.11)^2 = ?$

(a) 1270

(b) 1421

(c) 1451

(d) 1361

(e) 1311

L1Difficulty 2

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Q7. $6894.986 + 5025.005 + 600.020 = ?$

(a) 12170

(b) 13540

(c) 12950

(d) 11560

(e) 12520

L1Difficulty 2

QTagsApproximation

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Q8. $31.999 \times 12.001 \times 17.5001 = ?$

(a) 6600

(b) 6720

(c) 6480

(d) 6070

(e) 6270

L1Difficulty 2

QTagsApproximation

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Q9. $12.164 \times 22.009 \times 17.932 = ?$

- (a) 4901
- (b) 4895
- (c) 4752
- (d) 4959
- (e) 4350

L1Difficulty 2

QTagsApproximation

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Q10. $16.978 + 27.007 + 36.984 - 12.969 - 9.003 = ?$

- (a) 72
- (b) 42
- (c) 60
- (d) 51
- (e) 65

L1Difficulty 2

QTagsApproximation

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Q11. 405 का 39% + 610 का 61% - 183.67 = ?

- (a) 450
- (b) 300
- (c) 230
- (d) 280
- (e) 344

L1Difficulty 2

QTagsApproximation

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Q12. $5682 \div 63 \times 36 = ? \times 17.998$

- (a) 180
- (b) 190
- (c) 210
- (d) 240
- (e) 140

L1Difficulty 2

QTagsApproximation

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Q13. $4.99 \times 12.865 + 599 = ?$

- (a) 650
- (b) 655
- (c) 665

(d) 670

(e) 675

L1Difficulty 2

QTagsApproximation

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Q14. $250.01 - 429.99 + 549.99 = ?$

(a) 370

(b) 420

(c) 340

(d) 410

(e) 320

L1Difficulty 2

QTagsApproximation

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Q15. $\frac{340}{34.023} \times \frac{46.98}{510} \times \frac{119}{94.01} = ?$

(a) 1.5

(b) 1.2

(c) 2.1

(d) 2.4

(e) 1.7

L1Difficulty 2

QTagsApproximation

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Solutions

S1. Ans.(a)

Sol.

$$\frac{?}{420.12} = (361.11)^{\frac{1}{2}} - 22.01 \times 6.99 + 141.99$$

$$\Rightarrow \frac{420}{?} \simeq (361)^{\frac{1}{2}} - 22 \times 7 + 142$$

$$\Rightarrow \frac{420}{?} \simeq 19 - 154 + 142$$

$$\Rightarrow \frac{420}{?} \simeq 7$$

$$\Rightarrow ? \simeq \frac{420}{7} \simeq 60$$

S2. Ans.(d)

Sol.

$$? + 185.10 - 79.09 = (23.01)^2 - 70.01\% \text{ of } 139.99$$

$$\Rightarrow ? + 185 - 79 \simeq (23)^2 - \frac{70}{100} \times 140$$

$$\Rightarrow ? + 106 \simeq 529 - 98$$

$$\Rightarrow ? \simeq 431 - 106 \simeq 325$$

S3. Ans.(c)

Sol.

$$\sqrt{783.98} + (22.02)^2 = 2 \times (?)^2$$

$$\Rightarrow \sqrt{784} + (22)^2 \simeq 2 \times (?)^2$$

$$\Rightarrow 28 + 484 \simeq 2 \times (?)^2$$

$$\Rightarrow 512 \simeq 2 \times (?)^2$$

$$\Rightarrow (?)^2 \simeq 256$$

$$\Rightarrow ? = 16$$

S4. Ans.(e)

Sol.

$$44.04\% \text{ of } 349.98 + 205.01\% \text{ of } 140.01 = (?)^2$$

$$\Rightarrow \frac{44}{100} \times 350 + \frac{205}{100} \times 140 \simeq (?)^2$$

$$\Rightarrow 154 + 287 \simeq (?)^2$$

$$\Rightarrow 441 \simeq (?)^2$$

$$\Rightarrow ? = 21$$

S5. Ans.(b)

Sol.

$$\frac{?}{4} + 44.01 + 139.99 = 78.09 + 249.01 + 86.99$$

$$\Rightarrow \frac{?}{4} + 44 + 140 \simeq 78 + 249 + 87$$

$$\Rightarrow \frac{?}{4} \simeq 414 - 184$$

$$\Rightarrow \frac{?}{4} \simeq 230 \Rightarrow ? \simeq 920$$

S6. Ans.(e)

$$? \simeq 32^2 + 24^2 - 17^2$$

$$\simeq 1024 + 576 - 289$$

$$\simeq 1311$$

Sol.

S7. Ans.(e)

$$? \simeq 6895 + 5025 + 600$$

$$\text{Sol. } \simeq 12,520$$

S8. Ans.(b)

$$? \simeq 32 \times 12 \times 17.5$$

$$\text{Sol. } \simeq 6720$$

S9. Ans.(c)

$$? \simeq 12 \times 22 \times 18$$

$$\text{Sol. } \simeq 4752$$

S10. Ans.(c)

$$? \simeq 17 + 27 + 37 - 13 - 9$$

$$\text{Sol. } \simeq 59 \simeq 60$$

S11. Ans.(e)

$$? \simeq \frac{40}{100} \times 405 + \frac{60}{100} \times 610 - 184$$

$$\text{Sol. } \simeq 344$$

S12. Ans.(a)

$$? \simeq \frac{5682 \times 36}{63 \times 18}$$

$$\text{Sol. } \simeq 180$$

S13. Ans.(c)

$$? \simeq 5 \times 13 + 600$$

$$\text{Sol. } \simeq 665$$

S14. Ans.(a)

$$? \simeq 370$$

Sol.

S15. Ans.(b)

$$? \simeq \frac{340}{34} \times \frac{47}{510} \times \frac{119}{94}$$

$$\text{Sol. } \simeq 1.2$$