BOB Office Assistant Paper Quant (Based on 22nd Feb 2026 S1)

Q1. What will come in place of the question mark (?) in the following questions?

√(360-225×2+379) = ?

(a) 17

(b) 19

(c) 27

(d) 13

(e) 23

Ans.(a)

Solution:

√(360-450+379)

=√289

= 17

Q2. What will come in place of the question mark (?) in the following questions?

343 + 243 + 512 = 20% of ?

(a) 4590

(b) 5490

(c) 6490

(d) 6140

(e) 5290

Ans.(b)

Solution:

343 + 243 + 512 = 20% of ?

20/100×?=1098

=> ? = 5490

Q3. What will come in place of the question mark (?) in the following questions?

24% of 125 + 48% 150 =?

(a) 106

(b) 108

(c) 104

(d) 112

(e) 102

Ans.(e)

Solution:

? = 24/100×125+48/100×150

= 10200/100

= 102

Q4. What will come in place of 'x' in the following questions?

120% of 650 + 320 + 255 ÷ 5 = x

(a) 1163

(b) 1363

(c) 1151

(d) 1263

(e) 1051

Ans.(c)

Solution:

6/5×650+320+51=x

780+320+51=x

x=1151

Q5. What will come in place of the question mark (?) in the following questions?

$11.2 \times 15 + 6.4 \times 7.5 = (?)^3$

(a) 15

(b) 21

(c) 3

(d) 6

(e) 9

Ans.(d)

Solution:

$?^3 = 11.2 \times 15 + 6.4 \times 7.5$

$?^3 = 168 + 48$

$? = \sqrt[3]{216} = 6$

Q6. What will come in place of the question mark (?) in the following questions?

350% of 80 = ?

(a) 280

(b) 270

(c) 285

(d) 290

(e) 275

Ans.(a)

Solution:

3.5×80= ?

280= ?

Q7. What will come in place of 'x' in the following questions?

$11\frac{2}{9}+12\frac{2}{9}-13\frac{2}{9}-4\frac{1}{4}=x$

(a) 5 35/36
(b) 7 35/36
(c) 9 35/36
(d) 8 31/36
(e) 3 35/36

Ans.(a)

Solution:

$x=11+12-13-4\left(\frac{2}{9}+\frac{2}{9}-\frac{2}{9}-\frac{1}{4}\right)$

$x=6+\left(\frac{8+8-8-9}{36}\right)$

$x=6+\left(-\frac{1}{36}\right)$

$x=5\frac{35}{36}$

Q8. What will come in place of the question mark (?) in the following questions?

75 + 34 – 23 + ? =17 × 6

(a) 16
(b) 12
(c) 19
(d) 23
(e) 10

Ans.(a)

Solution:

75 + 34 – 23 + ? =17 × 6

? = 17 × 6 – 75 – 34 + 23

? = 102 – 75 – 34 + 23

? = 16

Q9. A and B can complete a work in 10 days and 15 days respectively.they work together for 4 days. How much work is left?

(a) 1/3
(b) 1/2
(c) 2/3
(d) 2/5
(e) 4/3

Ans.(a)

Solution:

Given

A's time = 10 days

B's time = 15 days

Working time = 4 days

Formula Used

Work Done = (1/A + 1/B) × Time

Remaining Work = 1 - Work Done

Solution

A's 1 day work = 1/10

B's 1 day work = 1/15

(A+B)'s 1 day work = 1/10 + 1/15 = (3 + 2) / 30 = 5/30 = 1/6

Work done in 4 days = 4 × (1/6) = 4/6 = 2/3

Remaining work = 1 - 2/3 = 1/3

Final Answer

So the correct answer is (a)

Q10. What will come in place of (x) in the following questions?

$7^3 \times 2^5 \div 4^3 + 175\%$ of $350 = x^2$

(a) 23

(b) 21

(c) 28

(d) 26

(e) 25

Ans.(c)

Solution:

$$\frac{343}{2^5} + \frac{175}{100} \times 350 = x^2$$

$$x^2 = 171.5 + 612.5$$

$$x^2 = 784$$

$$x = 28$$

Q11. Simple interest on a sum for 3 years at 20% per annum is Rs. 6000. Find the principal amount?

(a) 13000

(b) 12000

(c) 12400

(d) 12800

(e) 10000

Ans.(e)

Solution:

Given

Simple Interest (SI) = Rs. 6000

Time (T) = 3 years

Rate (R) = 20% per annum

Formula Used

SI = (P × R × T) / 100

Solution

6000 = (P × 20 × 3) / 100

6000 = (P × 60) / 100

6000 = P × 0.6

P = 6000 / 0.6 = 10000

Final Answer

So the correct answer is (e)

Q12. 15 men can complete a work in 20 days. How many days will 10 men take to complete the same work?

(a) 30

(b) 25

(c) 24

(d) 28

(e) 20

Ans.(a)

Solution:

Given

Initial men (M_1) = 15

Initial days (D_1) = 20

Final men (M_2) = 10

Formula Used

$M_1 \times D_1 = M_2 \times D_2$

Solution

According to the formula:

$15 \times 20 = 10 \times D_2$

$300 = 10 \times D_2$

$D_2 = 300 / 10 = 30$ days

Final Answer

So the correct answer is (a)

Q13. What will come in place of the question mark (?) in the following questions?

$18750 \div \sqrt{(?)} = 36 \times 11 + 59 \times 6$

(a) 25

(b) 625

(c) 5

(d) 3125

(e) 5625

Ans.(b)

Solution:

$18750/\sqrt{(?)}=36\times11+59\times6$

$\Rightarrow 18750/\sqrt{(?)}=396+354$

$\Rightarrow \sqrt{(?)}=18750/750=25$

? = 625

Q14. A mixture contains milk and water in the ratio 4:1. If 10 liters of mixture is removed and replaced with water, the ratio becomes 2:3. What was the initial quantity.

(a) 30
(b) 20
(c) 24
(d) 28
(e) 25

Ans.(a)

Solution:

Given

Initial ratio (Milk:Water) = 4:1
Quantity replaced = 10 liters
Final ratio (Milk:Water) = 2:3

Formula Used

Ratio concept and balancing

Solution

Let the initial quantity be 5x. After removing 10L, the ratio remains 4:1.
Remaining Milk = $4x - (4/5) \times 10 = 4x - 8$
Remaining Water = $x - (1/5) \times 10 = x - 2$
After adding 10L water:
$(4x - 8) / (x - 2 + 10) = 2 / 3$
$(4x - 8) / (x + 8) = 2 / 3$
$12x - 24 = 2x + 16$
$10x = 40$
$x = 4$
Initial quantity = $5x + 10 = 5(4) + 10 = 30$ liters (since 10 was removed from initial)
OR
Total units in 2:3 = 5. Since 10L was replaced, total volume is same.
Milk: 4 -> 2 (decreased by 2 units)
2 units = Milk removed by taking out 10L mixture.
In 10L mixture, Milk = 8L.
Since milk was only removed (not added), $4x - 8 = 2x \Rightarrow 2x = 8 \Rightarrow x = 4$. Initial = $5x + 10 = 30$.

Final Answer

So the correct answer is (a)

Q15. The average of 5 number is 20. If one number is removed, the average becomes 18. What was the removed number?

(a) 30
(b) 25
(c) 24
(d) 28
(e) 20

Ans.(d)

Solution:

Given

Initial number of observations = 5

Initial average = 20

Number of observations after removal = 4

New average = 18

Formula Used

Sum of observations = Average × Number of observations

Removed number = Initial sum - New sum

Solution

Initial sum of 5 numbers = 5 × 20 = 100

New sum of 4 numbers = 4 × 18 = 72

Removed number = 100 - 72 = 28

Final Answer

So the correct answer is (d)

Q16. What will come in place of the question mark (?) in the following questions?

√(?)×√3025=2695

(a) 2401

(b) 2209

(c) 2601

(d) 2304

(e) 2400

Ans.(a)

Solution:

√(?)×√3025=2695

√(?)=2695/55

= 49

⇒ ? = 2401

Q17. What will come in place of the question mark (?) in the following questions?

6.4 + 9.2 + 23.4 = ?

(a) 39.5

(b) 32.5

(c) 25.5

(d) 39

(e) 40

Ans.(d)

Solution:

6.4 + 9.2 + 23.4 = ?

39 = ?

Q18. What will come in place of the question mark (?) in the following questions?

62% of $\frac{1600}{31} + 36\%$ of $1300 = ? \times 4 - 92$

(a) 296

(b) 148

(c) 152

(d) 163

(e) None of these

Ans.(b)

Solution:

$32 + 468 = ? \times 4 - 92$

$32 + 468 + 92 = ? \times 4$

$592/4 = ?$

$? = 148$

Q19. What will come in place of the question mark (?) in the following questions?

$48 + 8 \times 0.75 - 5 = ?$

(a) 22

(b) 36

(c) 49

(d) 56

(e) 46

Ans.(c)

Solution:

$48 + 8 \times 0.75 - 5 = ?$

$48 + 6 - 5 = ?$

$? = 49$

Q20. What will come in place of the question mark (?) in the following questions?

200% of 115 = ?

(a) 230

(b) 225

(c) 240

(d) 235

(e) 220

Ans.(a)

Solution:

$2 \times 115 = ?$

$230 = ?$

Q21. What will come in place of the question mark (?) in the following questions?

810 – 756 + ? = 10.5 % 1050

(a) 49.25

(b) 68.25

(c) 56.25

(d) 48.25

(e) 55.25

Ans.(c)

Solution:

810 – 756 + ? = 10.5/100×1050

54 + ? = 110.25

? = 56.25

Q22. What will come in place of 'x' in the following questions?

5220 + 1375 – 5364 + x = 10288

(a) 9263

(b) 9057

(c) 8024

(d) 7056

(e) 8824

Ans.(b)

Solution:

x= 10288 – 5220 – 1375 + 5364

x = 9057

Q23. What will come in place of the question mark (?) in the following questions?

2950 ÷ 12.5 + 160 =?

(a) 392

(b) 390

(c) 396

(d) 394

(e) 400

Ans.(c)

Solution:

2950 ÷ 12.5 + 160 =?

? = 236 + 160

= 396

Q24. What will come in place of the question mark (?) in the following questions?

(225-200) =?÷5

(a) 125

(b) 120

(c) 180

(d) 160

(e) 100

Ans.(a)

Solution:

(225-200) =?÷5

25 =?÷5

125 = ?

Q25. What will come in place of the question mark (?) in the following questions?

$645 + 456 - 987 - \sqrt{?} = (3)^4$

(a) 1024

(b) 256

(c) 729

(d) 931

(e) 1089

Ans.(e)

Solution:

645 + 456 – 987 – √(?) = (3)^4

114 – 81 = √(?)

? = 33^2

= 1089