

Quiz Date: 7<sup>th</sup> April 2020

**Directions (1-15):** What should come in place of question mark (?) in the following questions?

Q1.  $(2 \times 3)^3 \div (4 \times 9)^2 \times (27 \times 8)^2 = (6)^?$

- (a) 5
- (b) 6
- (c) 3
- (d) 8
- (e) 7

Q2.  $454.58 - 376.89 + 121.45 - 95.42 = ?$

- (a) 102.22
- (b) 103.72
- (c) 91.72
- (d) 92.32
- (e) 104.42

Q3.  $\sqrt{576} \div (4)^2 \times 7.4 + (7)^3 - 231 = ?$

- (a) 123.9
- (b) 121.1
- (c) 111.4
- (d) 122.1
- (e) 123.1

Q4.  $[(84)^2 \div 28 \times 12] \div 24 = 7 \times ?$

- (a) 15
- (b) 17
- (c) 18
- (d) 21
- (e) 24

Q5.  $(7.9\% \text{ of } 134) - (3.4\% \text{ of } 79) = ?$

- (a) 8.1
- (b) 7.9
- (c) 8.6
- (d) 7.3
- (e) 6.8

Q6.  $[(192)^2 \div 64 \times 24] \div 48 = \sqrt{?}$

- (a) 83000
- (b) 82944
- (c) 82954

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- (d) 82950  
(e) 82590

Q7. 30% of  $\frac{2}{7}$  of  $\frac{2}{9}$  of  $\frac{2}{5}$  of  $\frac{2}{3}$  of 9450 =?

- (a) 32  
(b) 36  
(c) 42  
(d) 48  
(e) 52



Q8.  $\left(\frac{1}{1024}\right)^{-\frac{2}{5}} + \left(\frac{1}{343}\right)^{-\frac{2}{3}} = ? \times 5$

- (a) 65  
(b) 42  
(c) 13  
(d) 21  
(e) 27

Q9. 3.5% of 40 + 3.5% of 80 =? % of 10

- (a) 30  
(b) 32  
(c) 36  
(d) 40  
(e) 42

Q10.  $1\frac{7}{9} + 2\frac{5}{3} + 3\frac{1}{9} - 4\frac{1}{5} = ?$

- (a)  $2\frac{13}{45}$   
(b)  $3\frac{17}{45}$   
(c)  $4\frac{16}{45}$   
(d)  $4\frac{17}{45}$   
(e)  $4\frac{13}{45}$

Q11. 7960 + 2956 - 8050 + 4028 = ?

- (a) 6984
- (b) 6884
- (c) 6894
- (d) 6954
- (e) 7894

Q12.  $25 \times 3.25 + 50.4 \div 24 = ?$

- (a) 84.50
- (b) 83.35
- (c) 83.53
- (d) 82.45
- (e) 92.84

Q13.  $350\% \text{ of } ? \div 50 + 248 = 591$

- (a) 4900
- (b) 4890
- (c) 4850
- (d) 4950
- (e) 4750

Q14.  $\frac{1}{2} \text{ of } 3842 + 15\% \text{ of } ? = 2449$

- (a) 3520
- (b) 3250
- (c) 3350
- (d) 3540
- (e) 2850

Q15.  $(833.25 - 384.45) \div 24 = ?$

- (a) 1.87
- (b) 20.1
- (c) 2.01
- (d) 18.7
- (e) 16.7



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### Solutions

S1. Ans.(a)

Sol.  $(6)^? = (6)^3 \div 6^4 \times 6^6$

$\Rightarrow (6)^? = 6^{3-4+6}$

$\Rightarrow ? = 5$

S2. Ans.(b)

Sol.  $? = 576.03 - 472.31$

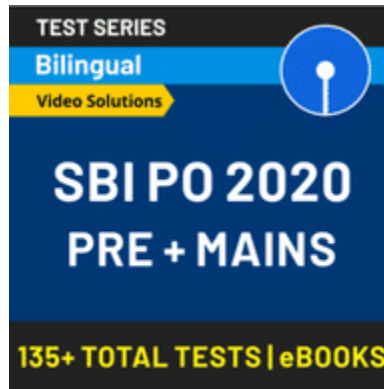
$= 103.72$

S3. Ans.(e)

$$\begin{aligned}\text{Sol. } ? &= 24 \div 16 \times 7.4 + 343 - 231 \\ &= 11.1 + 112 \\ &= 123.1\end{aligned}$$

S4. Ans.(c)

$$\begin{aligned}\text{Sol. } 7 \times ? &= \frac{84 \times 84}{28} \times 12 \times \frac{1}{24} \\ ? &= 18\end{aligned}$$



S5. Ans.(b)

$$\begin{aligned}\text{Sol. } ? &= \frac{7.9}{100} \times 134 - \frac{3.4}{100} \times 79 \\ &= 7.9\end{aligned}$$

S6. Ans.(b)

$$\begin{aligned}\text{Sol. } \sqrt{?} &= \frac{36864}{64} \times 24 \times \frac{1}{48} = 288 \\ \therefore ? &= 82944\end{aligned}$$

S7. Ans.(d)

$$\begin{aligned}\text{Sol. } ? &= \frac{30}{100} \times \frac{2}{7} \times \frac{2}{9} \times \frac{2}{5} \times \frac{2}{3} \times 9450 = 48\end{aligned}$$

S8. Ans.(c)

$$\begin{aligned}\text{Sol. } ? \times 5 &= (4)^{-5 \times \frac{-2}{5}} + (7)^{-3 \times \frac{-2}{3}} \\ \text{or, } ? &= \frac{16+49}{5} = 13\end{aligned}$$

S9. Ans.(e)

$$\begin{aligned}\text{Sol. } ? &= \frac{1.4+2.8}{10} \times 100 = 42\end{aligned}$$

S10. Ans.(c)

Sol.



$$? = (1 + 2 + 3 - 4) + \left(\frac{7}{9} + \frac{5}{3} + \frac{1}{9} - \frac{1}{5}\right) = 2 + \frac{106}{45} = 4\frac{16}{45}$$

S11. Ans.(c)

Sol.  $? = 6894$

S12. Ans.(b)

Sol.  $? = 81.25 + 2.1$   
 $= 83.35$

S13. Ans.(a)

Sol.  $350 \times \frac{?}{100} \times \frac{1}{50} = 343$   
 $\Rightarrow ? = 4900$

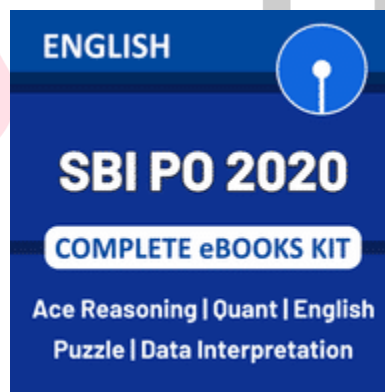
S14. Ans.(a)

Sol.  $\frac{1}{2} \times 3842 + \frac{15}{100} \times ? = 2449$   
 $\Rightarrow ? = \frac{528 \times 100}{15}$   
 $\Rightarrow ? = 3520$

S15. Ans.(d)

Sol.  $? = \frac{448.8}{24}$   
 $? = 18.7$

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