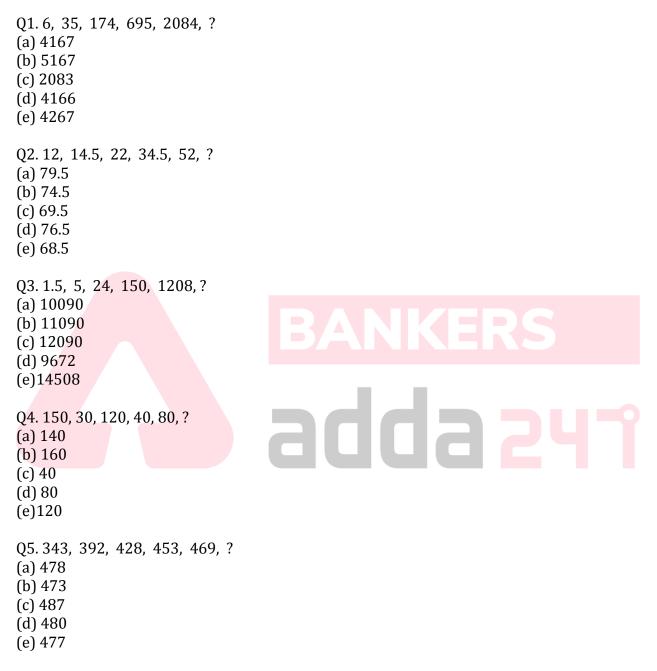
## Quiz Date: 2nd July 2020

Directions (1-5): What will come in place of questions mark (?) in following no. series?



**Directions (6-10):** What should come in place of question mark (?) in the following given questions(just calculate the approximate value) ?

Q6.  $(9 \times 9)^3 \div (729 \div 9)^4 \times (243 \times 9)^2 = (3)^{?+6}$ (a) 22 (b) 4 (c) 8

```
(d) 7
(e) 12
Q7. 119.97% of 1500.024 + 40.08% of 2850.001 = 2419.998 + 24.001% of ?
(a) 2168
(b) 1208
(c) 2804
(d) 3206
(e) 1608
                                TEST SERIES
                                Bilingual
                                Video Solutions
                               RBI ASSISTANT
                                       MAINS
                               25 Total Tests | eBooks
Q8. 0.2% of 356 + 0.8% of 779 = ?
(a) 10
(b) 17
(c) 20
(d) 2
(e) 7
                                                    MA
Q9.1399 \div 35.0098 + \sqrt{1026} \times 20.0801 = ?
(a) 660
(b) 680
(c) 620
(d) 650
(e) 780
Q10. 0.052 ÷ 0.001 × 59.989 = 29.966% of 399.98 × ?
(a) 46
(b) 56
(c) 16
(d) 26
```

**Quantitative Aptitude Quiz for RBI Assistant Mains 2020** 

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(e) 52

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Directions (11-15): In the following table, number of students studying in five different branches of a university is given for the year 2017. Also given the percentage of students participating in two different games (Hockey and Football). Study the table carefully and answer the questions that follow:

Branches	Total	Sports for participation	
	Students		
		Hockey	Football
Mechanical	480	25%	15%
Electrical	320	20%	25%
Civil	260	30%	10%
Computer	450	10%	40%
Science			
Electronics	300	16%	30%

Q11. What will be the difference between students playing Hockey and football together from Electrical branch and the no. of students playing the same games from Electronics branch?

- (a) 8
- (b) 6
- (c) 12
- (d) 11
- (e) 18

Q12. If 40% students in Mechanical branch are girls then find the ratio of girls playing Hockey from Mechanical branch to the students playing Football from Civil branch?

- (a) 24 : 13
- (b) 25 : 17
- (c) 13 : 24
- (d) Cannot be determined
- (e) None of these

Q13. Total no. of students playing Hockey and Football from Computer Science branch are approximately what percent of total no. of students playing the same games from Mechanical branch?

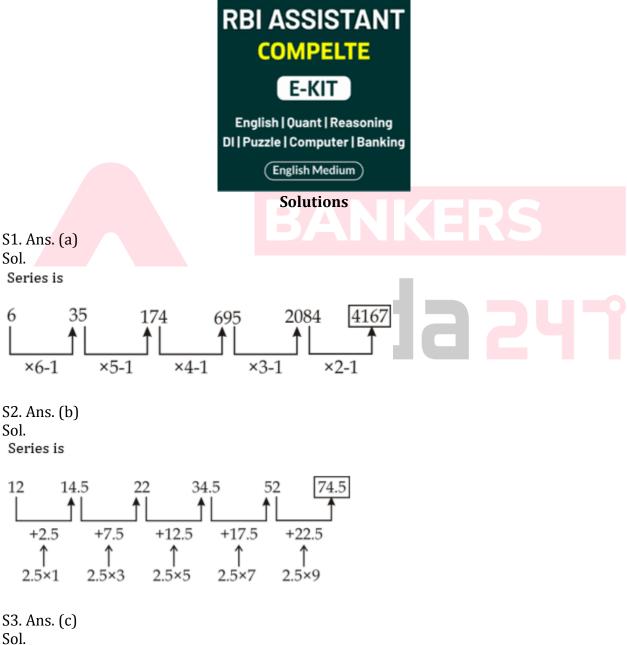
- (a) 125%
- (b) 120%
- (c) 117%
- (d) 113%
- (e) 135%

Q14. Find the approximate average no. of students playing Football from all branches.

- (a) 81
- (b) 93
- (c) 95
- (d) 85
- (e) 90

Q15. If 40%, 30% and 50% students are girls in respected branches Electrical, Civil and computer Science, then find the average no. of girls from these branches who participate in Hockey if percentage of girls participating in Hockey are 10%,15% and 12% from respected branches (approximately).

- (a) 21
- (b) 23
- (c) 24
- (d) 17
- (e) 26



```
Series is
 1.5 \times 2 + 2 = 5
 5 \times 4 + 4 = 24
 24 \times 6 + 6 = 150
 150 \times 8 + 8 = 1208
 1208 \times 10 + 10 = 12090
S4. Ans. (d)
Sol.
 Series is
 150 \div 5 = 30
 30 \times 4 = 120
 120 \div 3 = 40
 40 \times 2 = 80
 80 ÷ 1 = 80
S5. Ans. (a)
Sol.
 Pattern is
 343 + 7^2 = 343 + 49 = 392
 392 + 6^2 = 392 + 36 = 428
 428 + 5^2 = 428 + 25 = 453
 453 + 4^2 = 453 + 16 = 469
 469 + 3^2 = 469 + 9 = 478
                                           addaz
S6. Ans.(b)
Sol.
(3^4)^3 \div (3^4)^4 \times (3^7)^2 = (3)^{?+6}
3^{12} \times 3^{14}
  \frac{1}{3^{16}} = (3)^{?+6}
3^{10} = (3)^{?+6}
? + 6 = 10
? = 4
S7. Ans.(a)
Sol.
\frac{120}{100} \times 1500 + \frac{40}{100} \times 2850 = 2420 + \frac{24}{100} \times ?
1800 + 1140 = 2420 + \frac{24}{100} \times ?
? = 2166.67 \simeq 2168
S8. Ans.(e)
Sol.
```

 $\simeq \frac{0.2}{100} \times 355 + \frac{0.8}{100} \times 780$  $\simeq 0.71 + 6.24$  $\simeq 6.95 \simeq 7$ S9. Ans.(b) Sol.  $\simeq \frac{1400}{35} + \sqrt{1024} \times 20$  $\simeq 40 + 32 \times 20 \simeq 40 + 640$  $\simeq 680$ RBI ASSISTANT MAHA PACK Live Class, Video Course **Test Series, e-Books** Bilingual S10. Ans.(d) Sol.  $\simeq 52 \times 60 \simeq 120 \times ?$ ? = 26 dda 2 S11. Ans.(b) Sol. Student playing Hockey and Football together from Electrical branch = 20% of 320 + 25% of 320 = 144 Students playing Hockey and Football together from Electronics branch = 16% of 300 + 30% of 300 = 138 ∴ Required difference = 144 - 138 = 6 S12. Ans. (d) Sol.

Here we don't know what percentage of girls who play Hockey. So, we cannot find the required answer.

```
S13. Ans.(c)
Sol.
Total no. of students playing Hockey and
Football
from CS branch = (10+40) % of 450
= 225
Total no. of student playing Hockey and
Football both from Mechanical branch
= (25 + 15)% of 480
= 192
\therefore required percentage = \frac{225}{192} \times 100
=117.18
= 117%
S14. Ans.(e)
Sol.
Required average no. = 1/5× (15% of 480 + 25% of 320 + 10% 260 + 40% of 450 + 30% of
300)
= 1/5 \times (72 + 80 + 26 + 180 + 90)
= 448/5
\simeq 90
S15. Ans.(d)
                                                 ddaa
Sol.
Required average no. of girls
=\frac{1}{2} \times (10\% \text{ of } 40\% \text{ of } 320 + 15\%)
of 30% 260 + 12% of 50% of 450 )
=\frac{1}{2} \times (12.8 + 11.7 + 27)
=\frac{1}{3} \times 51.5
= 17.166
```

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