

IBPS Clerk Exam 2019 35 Important Questions (PDF)

Quantitative Aptitude

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Direction: What value should come in place of the question mark (?) in the following question?

1. $321 \times 16 \div 8 + 34 = (?)^2$ A. $\sqrt{26}$ B. $(26)^2$ C. $(676)^2$ D. 676E. None of these

Direction: What value should come in place of the question mark (?) in

in place of the question mark (?) in the following question?

2. 15 × 18 - 4 + 6 - ? = 20÷4 + 26 A. 212 B. 241 C. 157 D. 311 E. 273

Direction: What value should come in place of the question mark (?) in the following question?

3. 567 - 4824 ÷ 134 = ? × 9 A. 33 B. 59 C. 37 D. 57 E. None of these

Direction: What value should come in place of question mark (?) in the following question?

	· · J · I	
4.	35% of 180) - √49 = ?
	A. 62	B. 55
	C. 58	D. 67
	E. None of	these

Direction: What value should come in place of the question mark (?) in the following question?

5. 6824 + 7864 = ? × 40 A. 376.4 B. 359.2 C. 363.4 D. 367.2 E. None of these

Direction: What value should come in place of the question mark (?) in the following question?

6.
$$\sqrt{\frac{32.4}{12.1}} \times \sqrt{\frac{67.6}{14.4}} = ?$$

A. $\frac{3\frac{5}{11}}{12.1} = \frac{3\frac{6}{11}}{11.1}$
C. $\frac{3\frac{3}{11}}{11.1} = \frac{3\frac{6}{11}}{11.1}$
D. $2\frac{6}{11}$

E. None of these



7. 42% of 420+36% of 60=(?)% of 1400-20% of 760

A. 25	B. 20
C. 15	D. 16
E. 28	

Direction: What value should come in place of the question mark (?) in the following question?



Direction: What value should come in place of the question mark (?) in the following question?

9.
$$? \times 25 \div 6 = 1962.5$$

A. 541 B. 457 C. 358 D. 471 E. None of these

Direction: What value should come in place of the question mark (?) in the following question?

10.
$$2704 \div 2 \times ? = 31096$$

Α.	21	B. 33
C.	23	D. 26
Ε.	None of Thes	e

Direction: What approximate value should come in place of the question mark (?) in the following question (Note: You are not expected to calculate the exact value)?

11. (14.999)² -	∜1300 _↓ √99 _{= ?}
A. 250	B. 229
C. 270	D. 255
E. 240	

Direction: What should come in place of question mark (?) in the following question? (You do not have to calculate the exact value.)

12. 19750.015 ÷979.82 × 201.04 =? A. 45 B. 200 C. 4050 D. 10500 E. 20000





Direction: What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

13. 7777.009 - 596.999 - 89.989 = ? A. 6080 B. 6800 C. 7090 D. 8200 E. 7500

Direction: What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

14. 31.85 ÷ 3.90	× 15 = ?
A. 120	B. 90
C. 80	D. 140
E. 160	

Direction: What approximate value should come in place of the question mark (?) in the following equation (Note: You are not expected to calculate the exact value)?

15. 5466.97 - 3245.01 + 1122.99 = ? + 2309.99

A. 1130	B. 1000
C. 1100	D. 1035
E. 1060	

Directions: What approximate value will come in place of question mark (?) in the following equations?

16. 59220 ÷ 3214.05 × 514.13 + 5231.92 =? A. 13617 B. 14700 C. 14000 D. 13511 E. 14300

Direction: What approximate value should come in place of the question mark (?) in the following question (Note: You are not expected to calculate the exact value)?

- 17. 3.5% of 180 ÷ 0.6% of 250 = ? A. 12 B. 4
 - C. 1 D. 9
 - E. 25

Direction: What **approximate** value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)

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18. 2.5% of 3451×0.8% of 7799.998 = ?
 A. 6642 B. 5382
 C. 5035 D. 4562
 E. 4380

Direction: What approximate value should come in place of the question mark (?) in the following question (Note: You are not expected to calculate the exact value)?

19. (1041.92 + ?) ÷ 2.998 = 1816.012 ÷ 3.988 A. 450 C. 320 D. 420

E. 390

Direction: What approximate value should come in place of the question mark (?) in the following question (Note: You are not expected to calculate the exact value)?

20. 768.011÷11.92×√257-58.02=? A. 840 B. 1020 C. 966 D. 820 E. 910

Direction: What should come in place of the question mark (?) in the following number Series?

- 21. 5, 10, 25, 75, 262.5, ? A. 850 B. 425.5 C. 1050 D. 1020 E. None of these
- 22. Direction: What should come in place of the question mark (?) in the following number series?
 12, 17, 30, 59, 112, (?)
 A. 197 B. 195
 C. 208 D. 205
 E. None of these

Direction: What should come in place of question mark (?) in the following number series?

- 23. 36, 18, 6, 3, 1, ? A. 0.25 B. 1.5 C. 0.5 D. 0.75 E. 2
- 24. Direction: What will come in place of question mark (?) in the following number series?
 447, 335, 279, 251, 237, ?



Α.	230		Β.	229
C.	227		D.	232
E.	None	of these		

Direction: What will come in place of the question mark (?) in the following number series?

25. 50, 44, 52, 80, 134, 220,? A. 344 B. 264 C. 256 D. 244 E. 324

> Direction (26 – 30): Study the line graph carefully and answer the given questions.

> Strength of Seven Technology Institutes with Specializations in IT, Electronics and Mechanical in 2012



26. If the number of students with Mechanical specialization in each institute increased by 20% and the number of students with IT specialization in each institute decreased by 10% from 2012-13, what is the difference between total mechanical student to total IT student in 2013.

A. 1	L177	В.	1077
C. 1	L277	D.	1377
E. r	one of th	nese	

27. What is the ratio between total number of students in institutes R and V respectively?

•	
A. 39 : 43	B. 39 : 44
C. 37:44	D. 39 : 45
E. 38 : 43	

28. What is the difference between total number of students with Electronics specialization from all the institutes together and the total number of students with Mechanical

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specialization from all the institutes together?

together:	
A. 220	B. 240
C. 280	D. 210
E. 250	

29. If the number of students in institutes P, Q and R with IT specialization increased by 15%, 22% and 10% respectively from 2012 to 13, what was the total number of students with IΤ specialization in the three institutes together in 2013? 56

A. 1028	B. 1056
C. 898	D. 1142
E. 1145	

30. In institutes P, T and U the percentage of girls out of total number of students with Electronics specialization in respective institute is 50%, 55% and 48% respectively, what is the approx total number of boys in these three institutes with Electronics specialization?

A. 391	B. 386
C. 356	D. 360
F 31/	

- E. 314
- 31. A car started its journey with its usual speed but after travelling for 5 hours the car meet with an accident so the speed of the car reduced by 8% and it took 6 hours to cover the remaining 276 km then find the percentage by which distance travelled by the car in first 5 hours is less than the remaining distance covered by the car?

E. 4.86

32. A shopkeeper purchase two quantities of rice at the rate of Rs. 20/kg and Rs. 26/kg. In 5.2 kg of the second quantity, how much rice of the first quantity should be mixed so that by selling the resulting mixture at Rs.30/ kg , he gains a profit of 25%. 2 Α.

A. 3.5	B. 3.2
C. 2.6	D. 2.8
E. 2.4	

33. There are three persons A, B and C. A invested 20% more than that of B and C invested 40% more than that of B. If the difference between the





investment of A and C is Rs 4000 than find the investment of A? A. 24000 B. 18000 C. 17500 D. 18600

- E. 40000
- 34. A dealer sold a radio at a loss of 2.5%. Had he sold it for Rs 100 more, he would have gained 7.5%. For what value should he sell it in order to gain 12.5%?
 - A. Rs. 1125 B. Rs. 1520
 - C. Rs. 1225 D. Rs. 1350
 - E. None of these

35. Andrew covers a distance of 900 kms in 10 hours partly by train and partly by air. Had he covered the whole distance via airways he would have

saved $\frac{1}{5}$ th of the time he was in train

and would reach destination 5 hoursearlier. Find the speed of the train.A. 34 kmphB. 48 kmphC. 42 kmphD. 36 kmph

E. 46 kmph





ANSWER

1. Ans. E. 321 × 16 ÷ 8 + 34 = 321 × 2 + 34 = 642 + 34 = 676 $676 = (?)^2$ $\Rightarrow (26)^2 = (?)^2$ ⇒? = 26 Hence option E is correct 2. Ans. B. $15 \times 18 - 4 + 6 - ? = 20 \div 4 + 26$ 270 - 4 + 6 - ? = 5+26 272 - ?=31 ?=241 3. Ans. B. 4824 $567 - 134 = ? \times 9$ ⇒ 567 - 36 = ? × 9 531 ⇒?= ⁹ ⇒? = 59 4. Ans. E. $? = \frac{180 \times 35}{100} - \sqrt{49}$? = 63 - 7? = 565. Ans. D. $6824 + 7864 = 2 \times 40$ \Rightarrow 14688 = $?\times 40$ $\Rightarrow ? = \frac{14688}{40} = 367.2$ 6. Ans. B. $? = \sqrt{\frac{32.4}{12.1}} \times \sqrt{\frac{67.6}{14.4}} = \frac{18}{11} \times \frac{26}{12} = \frac{39}{11} = 3\frac{6}{11}$ 7. Ans. A. Substituting (?) with "x" 36 x 42 20 $100_{\times 420+} 100_{\times 60=} 100_{\times 1400-} 100$ ×760 176.4 + 21.6 = 14x - 152198=14x-152 198 + 152 = 14x350 = 14x

350 14 = xx=25 8. Ans. E. $(90 \times 72.9)^{\frac{1}{2}} \div (30 \times 2.7)^{\frac{1}{2}} \times 243 = 3^{?}$ $(6561)^{\frac{1}{2}} \div (81)^{\frac{1}{2}} \times 243 = 3^{?}$ $\frac{81}{9} \times 243 = 3^{?}$ $3^{(2+5)} = 3^{?}$ $3^{?} = 3^{7}$? = 7Hence option E is the right answer. 9. Ans. D. ?×25÷6 = 1962.5 $2 \times 25 = 1962.5 \times 6$ 25? = 11775? = 11775/25 ? = 471 10. Ans. C. $2704 \div 2 \times ? = 31096$ $1352 \times ? = 31096$? = 31096 / 1352 = 15548/676 ? = 23 11. Ans. B. Take nearest values $(14.999)^2 - \sqrt[4]{1300} + \sqrt{99} = ?$ 225 - 6 + 10 = 229 12. Ans. C.

As per the **BODMAS** rule, the priority in which the operations should be done is:

Priority wise operations	Symbol
B-Bracket	0
O-Of	Of
D-Division	/, ÷
M-Multiplication	*,×
A-Addition	+
S-Subtraction	-

Note: Addition and subtraction can be treated on same priority (from left to right) when they are in consecutive order.

$$\begin{array}{r} 19750 \times \frac{1}{980} \times 201 \\ ? = \\ ? \approx 20.15 \ \hat{1} \ 201 \end{array}$$

? = 4050.76 ≈4050 13. Ans. C.

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7777.009 - 596.999 - 89.989 = ?? = 7777 - 597 - 90? = 7777 - 687? = 709014. Ans. A. $31.85 \div 3.90 \times 15 = ?$ Approximates value can be calculated as $\approx 32 \div 4 \times 15 = 8 \times 15$ = 120Hence, option (A) is correct. 15. Ans. D. 5466.97 + 1122.99 = ? + 2309.99 +3245.01 ? = 6590 - 5555 = 1035 (approx) 16. Ans. B. 59220 ÷ 3214.05 × 514.13 + 5231.92 =? Or, $? = 18.42 \times 514 + 5232$ = 8467.88 + 5232 = 14699.88 [~] 14700 17. Ans. B. 3.5% of 180 ÷ 0.6% of 250 $= (3.5 \times 1.8) \stackrel{*}{\cdot} (1500/1000)$ $= 6.3 \div 1.5$ = 4.2 ≈ 4 18. Ans. B. *3450*_8 25 *7800 1000 1000 ≈ 69 x 78 = 5382 19. Ans. C. By replacing the "?" with "x" $(1042+x) \div 3 = 1816 \div 4$ $(1042+x) \div 3 = 454$ $1042 + x = 454 \times 3$ 1042 + x = 1362x=1362-1042 x=320 20. Ans. C. 768÷12×√256-58 768 12 ×16-58 64×16-58 1024-58 966 21. Ans. C.

 $5 \times 2 = 10$ $10 \times 2.5 = 25$ $25 \times 3 = 75$ $75 \times 3.5 = 262.5$ $262.5 \times 4 = 1050$ 22. Ans. A. 12, 17, 30, 59, 112, (197) +5 +13 +29 +53 +85 +8 +16 +24 +32 23. Ans. C. Given number series -36, 18, 6, 3, 1, ? The pattern is as follows: 36/2 = 1818/3 = 66/2 = 33/3 = 11/2 = 0.5 24. Ans. A. 335. 279, 251. 237. (230)447. -112 -56 -28 -14 25. Ans. A. $1^3 + 7^2 = 50$ $2^3 + 6^2 = 44$ $3^3 + 5^2 = 52$ $4^3 + 4^2 = 80$ $5^3 + 3^2 = 134$ $6^3 + 2^2 = 220$ $7^3 + 1^2 = 344$ 26. Ans. B. Total mechanical student = [(280+360+200+260+320+320+380)/1 00]*120 = 2544Total IT student = [(220+240+320+140+280+150+280)/1 00]*90 = 1467Difference = 2544 - 1467 = 107727. Ans. B. Total student in R= 200+260+320 = 780 Total student in V= 220+280+380 = 880 Ratio = 780:880 = 39:44 28. Ans. D. Total mechanical student = (280+360+200+260+320+320+380) =2120 Total Electronics student = (340+300+260+340+190+260+220) =1910 Difference = 2120 - 1910 = 21029. Ans. C.





Total number=[(220*115/100]+ [(240*122/100] + [(320*110)/100] =898 30. Ans. A. Total no. of boys (Approx.) in P, T and U =[(340*50)/100]+ [(190*45./100]+ [(260*52/100] = 391]31. Ans. B. Speed of the car in covering the remaining distance= 276/6= 46 kmph Original speed of the car= 46*100/92=50kmph Distance travelled by the car in first 5 hours= 50*5= 250 km Difference between distance travelled= 276 - 20 = 26Required percentage= 26*100/276= 9.42% 32. Ans. C. Rs 30 and 25 % gain means:-The Price where no profit and no loss occur = 30* 100/125 = Rs 24/kg Now By alligation 20 26 24 2:4 1:2 2 = = 5.2 kg1==2.6 kg Ans. 33. Ans. A. Let the let the money invested by B be x Money invested by A = x*120/100 = 6x/5Money invested by C= x*140/100 = 7x/5So, 7x/5 - 6x/5 = 4000x/ 5=4000 x= Rs 20000

So, Money invested by A= 20000*120/100= Rs 24000 34. Ans. A. let C.P. be x 107.5 97.5 **100** x - 100 x = 100100×100 10 = Rs. 1000 X =112.5 Required S.P. = $100 \times 1000 = Rs$. 1125 35. Ans. D. From the given problem, Air + Train = 10 hours of journey Air = 5 hours of journey th 5 hours = 5of the time in train Therefore, the time in train = 5^* 5 4 hours = 6.25 hours So, the time in the airplane = 10 - 6.25= 3.75 hours Now it is already known that the speed of the airplane is = 900/5 kmph = 180kmph Therefore, The distance travelled in airplane = 3.75*180 kms = 675kms The distance travelled in train = 900 -675 kms = 225 kmsSo, the speed of the train is = 225/6.25kmph = 36kmph

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