IBPS CLERKS

Practice Test 3

NUMERICAL ABILITY

1. What will be the cost of fencing a circular field whose area is 5544 sq m? The cost of fencing is ₹8 per square metre?

   1) ₹ 2012 2) ₹ 2112
   3) ₹ 2412 4) ₹ 2400
   5) ₹ 2512

2. A truck covers a certain distance in 14 hours at the speed of 72 kmph. What is the average speed of a car which travels a distance of 182 km more than the truck in the same time?

   1) 82 kmph 2) 84 kmph
   3) 86 kmph 4) 85 kmph
   5) 92 kmph

3. Amit's monthly income is four-fifths of Seema's monthly income. Seema's annual income is ₹489600. What is Amit's annual income?

   1) ₹ 391680 2) ₹ 361680
   3) ₹ 392680 4) Can't be determined
   5) None of these

4. Mukesh walks 180 metres every day. How many kilometres will he walk in 3 weeks?

   1) 37.8 km 2) 3.78 km
   3) 7.56 km 4) 8.78 km
   5) 75.8 km

5. Ramesh got 68 marks in English, 72 marks in Science, 65 marks in Sanskrit, 74 marks in Maths and 58 marks in Hindi. The maximum marks of each subject is 80. What is his overall percentage of marks?

   1) 86.25% 2) 82.25%
   3) 72.25% 4) 84.25%
   5) 66.75%

Directions (Q. 71-75): What will come in place of question mark (?) in the following questions?

6. $\frac{3}{9}\times 2286+\frac{2}{11}\times 1397=?$

   1) 916 2) 1016
   3) 1216 4) 1026
   5) 1256

7. $7802 + 132 - 8963 + 1326 = ? \times 33$

   1) 6 2) 12
   3) 21 4) 9
   5) 14

8. 21.9% of 650 = ? + 23.12

   1) 121.23 2) 109.23
   3) 119.32 4) 129.23
   5) None of these

9. $6666 \div 66 \div 0.25 = ?$

   1) 101 2) 404
   3) 304 4) 40.4
   5) None of these

10. $\sqrt{?}+18=\sqrt{2704}$

    1) 1256 2) 1156
    3) 1296 4) 1024
    5) 1466

Directions (Q. 76-80): What approximate value should come in place of question mark (?) in the following questions?

11. $(129.899)^2 = ?$

    1) 16800 2) 16700
    3) 17900 4) 17200
    5) 16900

12. $68.003 \div 33.489 = (?)^2 - 18.789$

    1) 8 2) 3
    3) 18 4) 10
    5) None of these

13. $13.689 \times 17.213 + 21.864 \times 8.79 = ?$

    1) 460 2) 380
    3) 440 4) 400
    5) None of these

14. $20440 \div 639.890 = \sqrt{?}$

    1) 980 2) 1084
    3) 1184 4) 1050
    5) 984

15. $279.04 \times 12.546 + 65.37 \times 47.08 = ? + 126.589$

    1) 6450 2) 6850
    3) 6550 4) 6350
    5) 7250

16. In what time will the simple interest on a certain sum become 2.5 times the principal at 12.5% per annum?

5) 98

Directions (Q. 97-98): What should come in place of question mark (?) in the following number series.

32. 4 13 38 87 ? 289

1) 168 2) 158
3) 169 4) 151
5) 178

33. 6 42 301 2416 ? 217540

1) 20753 2) 21753
3) 21750 4) 21754
5) None of these

34. A light was seen at an interval of 15 seconds. It was seen for the first time at 2 : 34 : 50 am and the last time at 4 : 17 : 20 am. How many times was the light seen?

1) 310 2) 390
3) 420 4) 410
5) 411

35. A train crosses a platform in 45 seconds and a man standing on the platform in 12 seconds. If the speed of the train is 72 kmph, what is the length of the platform?

1) 280 metres 2) 320 metres
3) 300 metres 4) 270 metres
5) 290 metres

16. (3) let the sum be ₹ x

Then, SI = x × 2.5x

$$\text{Time} = \frac{2.5 \times x \times 100}{12.5 \times x}$$

$$= \frac{250}{12.5} = 20 \text{ years}$$

17. (2) Reqd selling price

$$= \frac{7600 \times 100}{80} \times \frac{120}{100} = ₹\ 11400$$

18. (1) Length of the rectangular field

$$= \sqrt{(\text{diagonal})^2 - (\text{breadth})^2}$$

$$= \sqrt{(17)^2 - (8)^2} = \sqrt{289 - 64}$$

$$= \sqrt{225} = 15 \text{ m}$$

$\therefore$ Area of the rectangle

= 15 × 8 = 120 sq. m

19. (4) Height of 15 new boys

$$= 173 \times 33 - 18 \times 170$$

$$= 5709 - 3060 = 2649$$

$\therefore$ Average height of 15 new boys

$$= \frac{2649}{15} = 176.6 \text{ cm}$$

20. (1) Speed of the stream

$$= \frac{1}{2}(\text{downstream speed} - \text{upstream speed})$$

$$= \frac{1}{2}(18 - 13)$$

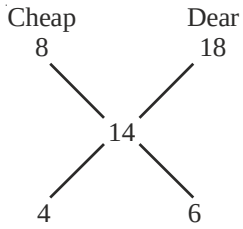
$$= \frac{1}{2} \times 5 = 2.5 \text{ kmph}$$

21. (4) Total number of letters in the word EDITION are 7 and I appear twice.

$\therefore$ Reqd number of ways $= \frac{7!}{2!}$

= 3 × 4 × 5 × 6 × 7 = 2520

22. (1) By alligation method



2 : 3

Quantity sold at 18% profit

$$= \frac{3}{5} \times 60 = 36 \text{ kg}$$

23. (1) Let the present age of the man be x years and that of son be y years.

Then, $\frac{x + y}{2} = 44$

x + y = 88 ..... (i)

Now 11 years before,

$$\frac{x - 11}{y - 11} = \frac{9}{2}$$

or, 2x – 22 = 9y = 99

or, 2x – 9y = – 77 ..... (ii)

Solving (i) and (ii), we get

y = 23 years

24. (3) The student gets (55 – 6.5)% = 48.5% marks which is equal to 485 marks.

$\therefore$ Reqd aggregate maximum marks

$$= \frac{485}{48.5} \times 100 = 1000$$

25. (1) Pipe A can fill the tank in 1 hour

$$= \frac{1}{8}$$

Pipe B can fill the tank in 1 hour

$$= \frac{1}{6}$$

(A + B) fill the tank in 2 hours

$$= \frac{1}{8} + \frac{1}{6}$$

$$= \frac{3 + 4}{24} = \frac{7}{24}$$

(A + B) fill the tank in (2 × 3) hours