SBI Clerk Prelims 2018 – Memory Based Questions (23rd June 2018)

NUMERICAL ABILITY

Direction (1-5): What value should come in place of the question mark (?) in the following questions?

1). 18, 8, 6, 9, 32, ?.

a) 256

b) 284

c) 251

d) 249

e) 320

2). 1, 244, 163, 190, 181, ?.

a) 188

b) 198

c) 178

d) 184

e) 191

3). 250, ?, 190, 167, 148, 131.

a) 219

b) 222

c) 221

d) 218

e) 215

4). 36, 18, 6, 3, 1, ?.

a) 0.4

b) 0.25

c) 0.2

d) 0.33

e) 0.5

5). 18, 29, 42, 53, ?.

a) 70

b) 66

c) 72

d) 69

e) 80

Direction (6-15): What value should come in place of the question mark (?) in the following questions?

6). [(36 × 75) ÷ 15 – 2520 ÷ 120] = 3 ×?

a) 72

b) 53

c) 66

d) 48

e) None of these

7). 172 × (853 – 340) ÷ 19 = ? – 720

a) 4576

b) 6128

c) 5364

d) 3780

e) None of these

8). (35 % of 75000) ÷? = (125 % of 300) × 2

a) 60

b) 45

c) 35

d) 20

e) None of these

9). (4/15) of 393 + (7/12) of 468 = ? × 4

a) 107.25

b) 94.45

c) 82.65

d) 78.35

e) None of these

10). 42 % of 1250 + 15 % of ? = 1113

a) 3920

b) 4160

c) 3350

d) 3780

e) None of these

11). √8281 ÷ 7 + 63 =? – 25785 ÷ 9

a) 2941

b) 2785

c) 2513

d) 2147

e) None of these

12). 28 % of 3540 + 267 % of 4500 + 24 % of 5060 =?

a) 14220. 6

b) 13450. 8

c) 11780. 4

d) 15670. 5

e) None of these

13). (6390 ÷ 15) + (7182 ÷ 19) + (10224 ÷ 8) =? – 24 % of 750

a) 2534

b) 2262

c) 2876

d) 3148

e) None of these

14). (4/7) of ? – (5/7) of (91/40) of 3656 = 26 % of 1850

a) 17852. 6

b) 11238. 5

c) 15724. 8

d) 13421. 7

e) None of these

15). (1256 ÷ 4) × (138 ÷ 3) = 810 ÷ 3 +?

a) 27895

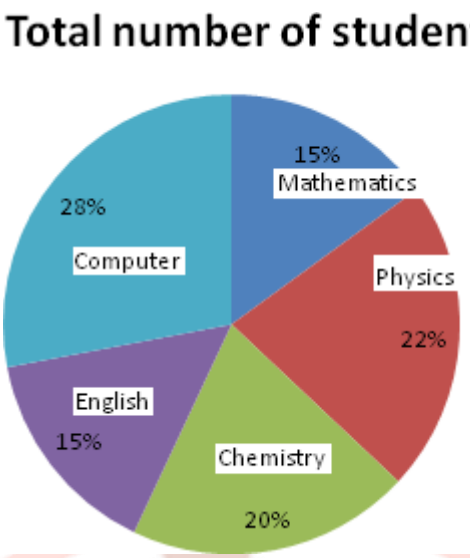
b) 35621

c) 22782

d) 14174

e) None of these

Directions (16–20): Given below is the pie chart which shows the percentage distribution of the students studying in different subjects.



16). If 20% of the students studying Mathematics and 40% of students studying English are female students. Then what is the total number of male students studying both English and Mathematics?

a) 90

b) 67

c) 63

d) 72

e) 68

17). What is the average number of students studying Chemistry, Computer and Physics subjects?

a) 70

b) 72

c) 68

d) 66

e) 71

18). If 75% of students studying Chemistry are appeared in the exam and 80% of students were passed the exam out of the students appeared. Then how many students failed in the exam?

a) 10

b) 9

c) 11

d) 8

e) 13

19). If the ratio of males and females in the Computer studying students is 4:3. Then what is the difference between the male and female in Computer students?

a) 12

b) 28

c) 7

d) 14

e) 13

20). What is the difference between the number of students studying Physics and English together and the number of students studying Chemistry and Computer together?

a) 34

b) 54

c) 35

d) 32

e) 33

Directions (21-25): In each questions, two equations numbered I and II have been given. You have to solve both the equations and mark the appropriate option.

(a) if x>y (b) if x≥y (c) if x<y (d) if x ≤y (e) if x = y or no relationship can be established.

21).

I. $x^2 + 6x + 9 = 0$

II. $y^2 – y -20 = 0$

22).

I. $x^2 -10x + 24 = 0$

II. $2y^2 – 3y - 35= 0$

23).

I. $X^2 - 7X = -12$

II. $Y = \sqrt{16}$

24).

I. $4x^2 - 9x -34 = 0$

II. $y^2 + 20y +51 = 0$

25).

I. $x^2 + 361 = 442$

II. $y + \sqrt{289} = \sqrt{676}$

Directions (26–30): Each question contains Quantity I and Quantity II. Read the contents clearly and answer your questions accordingly.

a) Quantity I > Quantity II

b) Quantity I ≥ Quantity II

c) Quantity II > Quantity I

d) Quantity II ≥ Quantity I

e) Quantity I = Quantity II or Relation cannot be established

26). **Quantity I:** The SI on a certain sum of money for 3 years at 5 % per annum is Rs. 4800. Then the principle is?

Quantity II: The CI on a certain sum of money for 2 years at 6 % per annum is Rs. 3708. Then the principle is?

27). **Quantity I:** 3 years ago, the ratio of age of A and B is 3: 4. After 2 years, the sum of their ages is 45. Then find the present age of A?

Quantity II: 5 years ago, the ratio of age of P and Q is 3: 4. P's age after 6 years is equal to the present age of Q. Then find the present age of P?

28). **Quantity I:** If the length of a rectangle is increased by 20% while the breadth of the rectangle is decreased by 10% then find percentage change in area of the rectangle?

Quantity II: If the breadth of a triangle is increased by 30 % while the height of a triangle is decreased by 20 %, then find the percentage change in area of the triangle?

29). **Quantity I:** Raji can swim at 6 km/hr in still water. The river flows at 3 km/hr and it takes 8 hours more upstream than downstream for the same distance. How far is the place?

Quantity II: A man can row 25 km/hr in still water and the river is running at 15 km/hr. If the man takes 2 hr to row to a place and back, how far is the place?

30). **Quantity I:** There are three numbers in the ratio 5: 6: 10. The sum of the largest and the smallest numbers is 126 more than the other number. Find the largest number?

Quantity II: 12 % of first number is equal to 25 % of second number. The difference of these two numbers is 78. Then find the largest number?

31). Four years ago, the ratio between the age of Ram and Shyam was 4:9 respectively. Sita is 5 years older than Ram. Sita is 5 years younger than Shyam. What is Sita's present age?

a) 17 years

b) 20 years

c) 23 years

d) 24 years

e) 25 years

32). Rakesh Gangwal and Rahul Bhatia invested in a business in the ratio 10:13. What is the total profit, if Rahul Bhatia's profit share is Rs.832 and 8% of the total profit goes to charity?

a) Rs.1400

b) Rs.1500

c) Rs.1600

d) Rs.1700

e) Rs.1800

33). The length of train A is 320 metres and that of train B is 415 metres. Train A travelling at a speed of 55 kmph crosses train B travelling in opposite direction in 21 seconds. What is the speed of train B?

a) 62 kmph

b) 53 kmph

c) 80 kmph

d) 71 kmph

e) 75 kmph

34). A man rows to a place 40 km distance and come back in 9 hours. He finds that he can row 5 km with the stream in the same time as 4 km against the stream. The rate of the stream is?

a) 1 km/hr

b) 1.5 km/hr

c) 2 km/hr

d) 2.5 km/hr

e) None of these

35). The area of rectangle is 1.5 times of the area of the square. Length of rectangle is 3 times its breadth. If side of square is 15m. What is the perimeter of the rectangle?

a) 31.8 m

b) 42.4 m

c) 75.6 m

d) 84.8 m

e) 78.8 m

Answer Key:

1.c	2.d	3.a	4.e	5.b	6.b	7.c	8.c	9.b	10.a
11.a	12.a	13.b	14.b	15.d	16.c	17.a	18.b	19.d	20.e
21.e	22.e	23.d	24.a	25.d	26.a	27.c	28.a	29.a	30.c
31.a	32.c	33.d	34.a	35.d					