**SBI Free Mock Test**

**Quantitative Aptitude**

1. In a company A has 2 departments-IT and HR and the ratio of the number of males to female employees in A is 2: 3. If the female employees work in HR department is 80% of the total number of employee work in HR department and the total number of employees in HR department is 50% more than the total number of employees work in IT department. If the total number of employees in A is 1600, then find the number of male employees in HR department?

A) 180

B) 185

C) 192

D) 210

E) 196

2. A boat travels 120 km downstream in 6 hours and the speed of the stream is 5 Kmph. What is the speed of the upstream?

A) 10 Kmph

B) 12 Kmph

C) 14 Kmph

D) 16 Kmph

E) 20 Kmph

**Find the relationship between x and y?**

3. x2 – 8x – 660 = 0

Y2 + 46 y + 528 = 0

A) x > y

B) y > x

C) x ≥ y

D) y ≥ x

E) x = y. No relationship can be determined

4. x2 + 8x +12 = 0

2y2 + 6y + 4 = 0

A) x > y

B) y > x

C) x ≥ y

D) y ≥ x

E) x = y. No relationship can be determined

5. x2 – 15x \_ 56 = 0

Y2 – 19y + 90 = 0

A) x > y

B) y > x

C) x ≥ y

D) y ≥ x

E) x = y. No relationship can be determined

6. ‘3n’ years ago the age of Neha was four times that of her daughter and ‘n’ years later, the sum of their ages will be 76 years. If n years ago, the age of Neha was 13/4 of the age of her daughter, then find the difference between their ages?

A) 50 years

B) 36 years

C) 34 years

D) 35 years

E) 30 years

**Find the missing number.**

7. 45, 54, 74, 109, ?, 240

A) 160

B) 161

C) 162

D) 163

E) 164

8. 17, 29, 53, 101, 197, ?

A) 391

B) 374

C) 383

D) 375

E) 389

9. 21, 19, 34, 94, ?

A) 350

B) 340

C) 360

D) 330

E) 340

10. Find the approximate value of x?

X3 – 21.822 + 13.872 + 5.983 – 1.995 % of 1899.98

A) 8

B) 7

C) 4

D) 5

E) 6

**Reasoning Ability**

Six teachers A, B, C, P, Q and R ae taking classes either on 17th or on 26th May, June and July but not necessarily in same order. There are 3 teachers who takes class between P and R. C takes class just after B but both takes class at different months. A takes class before Q and after P.

11. On which day A takes class?

A) 17th May

B) 17th June

C) 26th May

D) 26th June

E) None

12. How many teachers take class between B and Q?

A) 2

B) None

C) 1

D) 3

E) More than three

13. Which among the following is true regarding Q?

A) Q takes class on 17th July

B) Only one teacher takes class between Q and R

C) Q takes class in the month which has 30 days

D) No one takes class after Q

E) All are false

14. Four of the five given below are alike and so forms a group. Find the one which does not belong to that group.

A) B

B) C

C) Q

D) P

E) R

15. Who takes class on 17th June?

A) C

B) P

C) Q

D) A

E) None

16. How many words can be formed from the 1st 6th, 8th and 9th letter of the word ‘Decomposition’ by using each letter once in the word.

A) None

B) 1

C) 2

D) 3

E) More than three

17. In the word ‘Perpetual’ how many pairs of the letters have the same number of letters between them in the word as in alphabet?

A) 4

B) 2

C) 3

D) 1

E) More than four

A @ B means A is parent of B

A # B means A is child of B

A^ B means A is brother of B

A % B means A is husband of B

A & B means A is wife of B

18. In which of the following relation F is the father of G is true?

A) F @ D ^ G

B) G # D % F

C) G # D & F

D) F @ D & G

E) None

19. If A & B ^ N # S & F @ M is true, then how is A is related to M?

A) Sister

B) Mother

C) Daughter

D) Sister in law

E) Cannot be determined

20. If P % Q @ R ^ S ^ T % U is true, then how P is related to U?

A) Father

B) Father in Law

C) Brother

D) Brother in Law

E) Cannot be determined

**English Language**

In the following questions, a sentence is given with two blanks. Find the pair of words from the given option that fit both blanks.

21. It is important for the central bank to ----- that the discipline in the system does not ------.

A) command, wrecked

B) notice, week

C) maintain, exist

D) ensure, slacken

E) None

22. It is possible that this piece of ---- is likely to be used against him by his electoral ----.

A) advice, clans

B) information, rivals

C) garbage, opponents

D) paper, allies

E) None

23. Congress leaders stress that his manifesto ----- the needs and ---- of the marginalized sections of society.

A) covers, inspirations

B) includes requirements

C) addresses, aspirations

D) indicates, qualities

E) None

Use the given alternatives to improve the sentences.

24. Having leisure till outdoor activities such as taking a stroll down the park has become a rarity in this fast-paced life.

A) Having leisure till outdoor

B) Having laziness for outdoor

C) Having leisure in outdoor

D) Having leisure for outdoor

E) No correction required

25. Religious bigots look away on anyone who does not conform to their beliefs.

A) bigots look away on

B) bigots look down on

C) bigots look behind on

D) bigots look in front on

E) No correction required