SOFTZANE SOLUTIONS

2023-2024 INTERNSHIP APTITUDE TEST 5

Total Mark 50   Time 2 hr.

1) Which of the following statements is not correct?
   A log10 10 = 1 b)log (2 + 3) = log (2 x 3) c)log10 1 = 0 d)log (1 + 2 + 3) = log 1 + log 2 + log 3

2) Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?
   A (1/3) b (1/8) c (2/8) d (1/16)

3) Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?
   A 7 b 10 c 12 d 13

4) Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?
   A 12 b 14 c 27 d 53

5) If the number of quantities in group A is 10 and in group B is 8, and their individual average is 24 and 16 respectively, find the combined average of the two groups.
   A 20.44 b18.22 c16.22 d 18.66

6) Find the average of first 4 consecutive even numbers.
   A 2 b 5 c 1 d 8

7) The average age of a group of 6 boys is 19. If the new average age after a boy joins the group is 21.28, find the age of new boy.
   A 23 b 32 c 35 d 45

8) Peter is twice as good as workman as Tom. When they work together they can finish a task in 16 days. If Tom works alone, in many days he will complete the task?
   A 46 days b 48 days c 50 days d 52 days

9) If 5 men can colour 50-meter long cloth in 5 days, in many days 4 men can colour a 40-meter long cloth?
   A 5 days b 6 days c 4 days d 3 days

10) A can do a piece of work in 10 days. B is 50% more efficient than A. In how many days B alone can do the same job?
   A 6.2 days b 6.6 days c 7 days d 7.2 days

11) A running man crosses a bridge of length 500 meters in 4 minutes. At what speed he is running?
   A 8.5 km/hr b 7.5 km/hr c 9.5 km/hr d 6.5 km/hr

12) A jogger is running at a speed of 15 km/hr. In what time he will cross a track of length 400 meters?
   A 96 sec b 100 sec c 104 sec d 110 sec

13) A cyclist moving at a speed of 20 km/hr crosses a bridge in 2 minutes. What is the length of the bridge?
   A 555.5 m b 444.4 m c 777.7 m d 666.6 m

14) How many times the hands of a clock coincide in a day?
   A 24 b 22 c 23 d 21

15) 40 % of 280 =?
   A 112 b 116 c 115 d 120

16) 45 *? = 35% of 900
   A 6 b 7 c 9 d 4

17) If 40% of an amount is 250, what will be 60% of that amount?

A 300 b 320 c 375 d 400

18) The population of a town is decreasing at a rate of 10% per annum. If the population two years ago was 20,000, what is the present population?

A 15000 b 15200 c 16000 d 16200

19) In an examination, 25% candidates failed in English and 35 % students failed in Math.If 15 % candidates failed in both, what is the percentage of candidates who passed in both the subjects?\

A 45 % b 50 % c 55 % d 58 %

20) If January 1, 1996, was Monday, what day of the week was January 1, 1997?

A Thursday b Wednesday c Friday d Sunday

21) Which of the following years is not a leap year?

A 800 b 700 c 1600 d 2000

22) How many days are there in y weeks y days?

A 8y b $8y^2$ c 16y d 21y

23) A box contains 2 red, 3 green, and 2 blue balls. What is the probability that none of the balls drawn is blue?

A 10/25 b 10/21 c 10/31 d 10/21

24) In a lottery, there are 5 prizes and 35 blanks. If a lottery is drawn at random what will be the probability of getting a prize?

A 1/5 b 1/6 c 1/7 d 1/8

25) A man draws two cards at random from a pack of 52 cards. What is the probability that one is a spade and the other is a heart?

A 13/105 b 13/102 c 13/110 d 13/108

26) What is the probability of getting an even number when a dice is rolled?

A 1/5 b 1/2 c 1/3 d ¼

27) In a bag, there are 8 red, 7 yellow and 6 green balls. If one ball is picked up at random, what is the probability that it is neither red nor green?

A 1/5 b 1/2 c 1/3 d ¼

28) A water tank is 30 m long, 20 m wide and 12 m deep. It is made of iron sheet which is 3 m wide. The tank is open at the top. If the cost of iron sheet is Rs. 10 per meter, what is the total cost of iron sheet required to build the tank?

A Rs. 6000 b Rs. 8000 c Rs. 9000 d Rs. 10,000

29) If two spheres have their radii in the ratio 2: 3, the ratio of their volumes is

A 8: 27 b 4 : 9 c 6 : 12 d 1 : 15

30) Find the correct spelling

A Betterment b Efficiant c Employd d Trainad

31) Tony, where are you? _____ up this tree.

A Here I am b Here am I c There I am d There am I

32) If the courier boy delivers your packet _____ keep it with me till you come or _____ to your home.

A do I, send it b will I, send it c should I, send it d would I, send it

33) Maria has always been _____ for her clothes and hairstyles.

A complimented b authorized c neglected d awarded

34) To err is human, to _____ divine.

A love b like c hate d forgive

35) The girl is _____ small to be playing football.

A too b little c very d still

36) Peter is a spoilt brat, because he was _____ as a child.

A rude b aggressive c coddled d arrogant

37) Like other countries, India has its .... share of superstitions.

A abundant b real c fair d exact

38) After the heavy rain, I heard the .... of thunder.

A voice b clank c rumble d ripple

39) He is a good arbiter as he never takes a side and remains...............

A compassionate b confident c clear d impartial

40) Find the correct spelling

A Acomodation b Acommodation c Accomodation d Accommodation

41) Find the correct spelling

A Detachment b Detachement c Detechment d Detachmant

42) Jeans <u>was</u> not allowed in Maria's college.

A is b had c were d will

43) All neighbour <u>was</u> introduced to the bride.

A has introduced b introduced c have introduced d were introduced

44) Later the coach became unpopular as he tried to <u>lord it on</u> the players.

A lord over b lord c lord on d lord it over

45) Tom found the silver coin as he cleaning the floor.

A as he cleans b as he cleaned c as he is cleaning d while cleaning

46) A month after colleges opened...... (select the correct order)

A. 35% seats reserved under OBC B. in private colleges C. for the next academic year

D. remain vacant

A CBDA b CADB c ADBC d BADC

47) Panic gripped the people

A. of the village B. beside the city C. on Friday D. after the terrorist attack

a CABD b BACD c ABCD d ACDB

48) Which number would fill the empty space in the series; 4, 7, 12, 19, _, 39?

a 28 b 26 c 24 d 22

49) Find the wrong number in the series, 2, 6, 15, 31, 56, 93.

A 93 b 15 c 31 d 56

50) RQP, ONM, _, IHG, FED, find the missing letters.

a CDE b LKI c LKJ c BAC