CLASS - VII

1) *If* $4^{2x} = 16$ *then* $x =$ _____
    1) 1   2) 2   3) 3   4) 0

2) The Simplest form of $\dfrac{1}{4^2} : \dfrac{1}{6^2} =$ _____
    1) $3^2 : 2^2$ 2) 4:9   3) 4:6   4) $6^2 : 4^2$

3) If the median of the observations of 10, 12, 14, x-3, x, x+2, 25 is 15. Then the value of x is
    1) 08   2) 15   3) 18   4) 12

4) The product of three_____ does not depend upon the grouping of integers.
    1) Integers   2) Whole numbers   3) Square numbers   4) None

5) Formula for Total Loss:
    1) Loss incurred - profit earned   2) Profit earned - Loss
    3) Profit earned + Loss incurred   4) None

6) Can you tell what is $\dfrac{2}{5}$ *of* $\dfrac{3}{5}$ is_____
    1) $\dfrac{3}{25}$ 2) $\dfrac{6}{25}$ 3) $\dfrac{2}{25}$ 4) $\dfrac{7}{12}$

7) Allu Arjun reads $\dfrac{1}{3}$ part of book in 2 hours. How much part of the book will he read in $3\dfrac{1}{2}$ hours ?
    1) $\dfrac{5}{12}$ 2) $\dfrac{4}{7}$ 3) $\dfrac{7}{12}$ 4) $\dfrac{6}{7}$

8) $2.5 \times 3\dfrac{1}{3} \times 4.5 =$ _____
    1) 35.5   2) 31.5   3) 37.5   4)32.5

9) Write two numbers between $\dfrac{1}{4}$ *and* $\dfrac{1}{5}$
    1) $\dfrac{21}{100}, \dfrac{2}{100}$ 2) $\dfrac{21}{100}, \dfrac{11}{50}$ 3) $\dfrac{22}{100}, \dfrac{21}{50}$ 4) None

10) Another name of simple mean is
    1) A.M   2) Geometric Maen   3) Range   4) None

11) Reciprocal of $\frac{3}{5}$ of $\frac{1}{5}$ of $\frac{5}{2}$ is
    1) $\frac{5}{6}$ 2) $\frac{2}{5}$ 3) $\frac{3}{5}$ 4) $\frac{2}{3}$

12) 25.025÷0.025=_____
    1) 1001   2) 10.1   3) 1.01   4) 101

13) Zero of the polynomial of 54-18x is_____
    1) 54   2) 18   3) 3   4) 2

14) $\frac{1}{37}$ in decimal form _____
    1) 0.027   2) $0.\overline{027}$ 3) 0.277   4) 0.077

15) $\left(\frac{54}{3}+\frac{72}{6}\right)^2 =$_____
    1) 300   2) 900   3) 324   4) 400

16) The number of nine's in 1 to 100 is_____
    1) 20   2) 21   3) 22   4) 23

17) A cycle goes with a speed of 15 km/hr. Then distance covered in 20 minutes is___
    1) 10km   2) 6km   3) 5km   4) 4km

18) If x=7, y=-3 and z=4 then the value of $3x+5y+2z^2$ is _____
    1) 36`   2) 35   3) 38   4) 30

19) The angles of a triangle are in the ratio 2:3:4. Then their values are
    1) 20° ,40°,120°   2) 40°,60°,80°   3) 80°,100°,40°   4) None

20) If an angle is 5 times its compliment, Then its measure is_____
    1) 30°   2) 15°   3) 75°   4) 90°

21) 285° is a _____angle
    1) Acute   2) Obtuse   3) Reflex   4) None

22) Average of 15,21,24,0 is _____
     1) 15   2) 21   3) 24   4) 20

23) L.C.M of 102, 104 and 106 is _____
     1) 281112   2) 288112   3) 2811112   4) 2811111

24) Range of data 18,32,40,80,5,-40 is _____
     1) 80   2) 40   3) 50   4) 120

25) Mean of biggest 3 digit number and smallest 3 digit number is_____
     1) 549.5   2) 559.5   3) 549   4) 5000

26) Value of 'x' in $x(x+3)-(x^2+5)=10$ is _____
     1) 5   2) -4   3) 2   4) -2

27) The median of 6, 11, 13, 8, 10, 9, 20, 18 is _____
     1) 10   2) 10.8   3) 10.5   4) 9.5

28) If $\dfrac{x}{3}+\dfrac{x}{9}=4$ then x=_____
     1) 9   2) 10   3) 3   4) 6

29) $2\dfrac{4}{5}+3\dfrac{5}{6}=$ _____
     1) $6\dfrac{17}{30}$ 2) $6\dfrac{13}{30}$ 3) $6\dfrac{19}{30}$ 4) None

30) No. of minutes for $2\dfrac{3}{4}$ hours =_____minutes
     1) 105   2) 165   3) 150   4) 100

31) Ratio of 90 cm and 1.5m is_____
     1) 5:3   2) 3:5   3) 36:75   4) None

32) Supplementary angle to $104\dfrac{1}{2}°$ is _____
     1) $76\dfrac{1}{2}°$ 2) $75\dfrac{1}{4}°$ 3) $75\dfrac{1}{2}°$ 4) 74°

33) If $A=1\dfrac{2}{3}B$ then B : A is_____
     1) 2:3   2) 3 : 5   3) 5:3   4) 1:2

34) If 2A=3B=4C then C:B:A =_____
    1) 3:4:6   2) 4:3:6   3) 6:3:4   4) None

35) The integer between -1 and 1 is _____
    1) 1   2) 0   3) -1   4) None

36) The value of 15% of 250 is_____
    1) 35.5   2) 37.5   3) 38.5   4) 39.5

37) Pythogoras belongs to _____ century.
    1) 4th   2) 5th   3) 6th   4) 2nd

38) No.of end points of a line.
    1) 2   2) 1   3) No   4) None

39) Set up equation for the following ....one tenth of double the number minus $\frac{1}{5}$ gives 32 is_____

    1) $\frac{2x}{10} - \frac{1}{5} = 32$ 2) $\frac{x}{10} - \frac{1}{5} = 32$ 3) $\frac{2x}{5} - \frac{1}{5} = 32$ 4) None

40) The value of the expression formed depends upon the _____ value of the variable.
    1) Non-selected   2) Choosen   3) Fixed   4) None

41) "Between any two rational numbers there is an infinite set of rational numbers". This property is called _____ property
    1) Closure   2) Associative   3) Density   4) Commulative

42) Next num ber in the squence 1, 2, 6, 15, 31, 56........
    1) 92   2) 82   3) 72   4) 70

43) If 'CASE' is coded as '5231', 'CHAIR' is coded as '58206' and 'TEACH' is coded as '71258', What does '586037' stand for_____
    1) CHRIST   2) STREET   3) CHEESE   4) CHASTE

44) Which prime number is divisible 103?
    1) 101   2) 27   3) 103   4) 11

45) If A+A+A= BA then what is A?
    1) 3   2) 5   3) 2   4) 7

46) What is the first pair of twin primes ?
    1) 3,5   2) 2,3   3) 5,7   4) 1,3
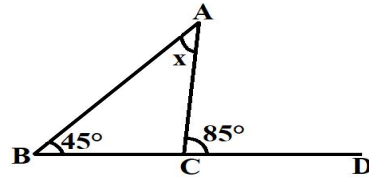
47) What is the another name for cuboid ?
    1) Rectangle   2) Cube
    3) Rectangular parallelepiped   4) QJFHS

48) The next number in the series 1, 3, 7, 15, 31, 63, _____
    1) 126   2) 127   3) 128   4) 129

49) In the figure x value
    1) 30°   2) 50°
    3) 40°   4) 55°

50) What decimal of minute is a second _____
    1) 0.025   2) 0.16   3) $0.01\bar{6}$ 4) $0.0\bar{6}$

51) What is Ramanujan number _____
    1) 1729   2) 1728   3) 6174   4) 143

52) 14% of a number is 63. Then the number is _____
    1) 182   2) 450   3) 350   4) 150

53) Sum of first 10 primes is _____
    1) 128   2) 127   3) 129   4) 130

54) In 0.9, 1.13, 0.97, 1.1, 1.0143. Which number is nearest to 1.
    1) 0.9   2) 0.97   3) 1.1   4) 1.0143

55) 0.4 as a proper fraction is _____.
    1) $\dfrac{2}{5}$ 2) $\dfrac{4}{9}$ 3) $\dfrac{4}{7}$ 4) $\dfrac{9}{4}$

56) What is the perimeter of the rectangle whose length is 40cm and a diagonal is 41cm?
    1) 96cm   2) 92cm   3) 98cm   4) 41cm

57) Convert $\dfrac{5}{4}$ into percent
    1) 125%   2) 80%   3) 100%   4) None

58) The population of a city decreased from 25,000 to 24,500 then the decreased percentage is _____
    1) 5%   2) 3%   3) 4%   4) 2%

59) How much is "Arbuda"?
    1) 10 crores   2) 4 crore   3) 10 millions   4) 10000

60) What is the measure of a triangle ACO in the figure

    1) 40°   2) 60°
    3) 20°   4) 80°