CLASS VI- MATHS –BLUE PRINT & SAMPLE PAPER

Time: 3 Hrs   **M.M:-80**

Instructions :

- All questions are compulsory.
- Read carefully and do neatly
- The question paper consists of 40 questions divided into 4 sections
- **Section A** contains 20 questions of 1 mark each , **Section B** contains 6 questions of 2 marks each , **section C** contains 8 questions of 3 marks each , **Section D** contains 6 questions of 4 marks each
- **5 marks reasoning included.**

<div align="center">

SECTION – A   **(20 X 1)**
</div>

1. The product of the place values of two 2's in 328625 is:
   (a) 40000   (b)   4   (c)   400000   (d)   400
2. The total number of 3-digit number is:
   (a) 899   (b)   800   (c)   999   (d)   900
3. Which of the following is not zero:
   (a) 0/3   (b)   0x0   (c)   3/0   (d)   0/3
4. The multiplicative identity in whole number is:
   (a) 1   (b)   0   (c)   100   (d)   10
5. Which of the following is a prime number:
   (a) 89   (b)   46   (c)   90   (d)   85
6. The HCF of Co-primes is:
   (a) 2   (b)   1   (c)   3   (d)   4
7. On subtracting -7 from 0, we get:
   (a) 0   (b)   -7   (c)   7   (d)   14
8. The additive inverse of -5 is:
   (a) 2   (b)   -5   (c)   5   (d)   1
9. Which of the following are like fractions:
   (a) $\frac{3}{13},\frac{2}{5},\frac{8}{13},\frac{7}{8}$,   (b) $\frac{3}{13},\frac{2}{13},\frac{8}{13},\frac{5}{13}$ (c) $\frac{3}{12},\frac{3}{13}$, $\frac{3}{7}\frac{3}{5}$ (d) None of these
10. A fraction equivalent to $\frac{12}{28}$ is:
    (a) $\frac{7}{4}$ (b) $\frac{3}{7}$ (c) $\frac{2}{1}$ (d) $2\frac{3}{4}$

11. The mixed fraction $2\frac{3}{4}$ is equal to the decimal:

    (a) 2.34   (b)   2.43   (c)   2.3   (d)   2.75

12. Which of the following decimals is the smallest:

(a) 2.77   (b)   2.078 (c)   2.7   (d)   2.1

13. A quadrilateral has:

    (a) Two diagonals (b)   Three diagonals   (c) Four diagonals   (d)Five diagonals

14. A triangle has

    (a) Three Parts   (b)   Nine parts   (c)   Six parts   (d)   five parts

15. Total Number of whole number between 47 and 77 is:

    (a) 30   (b)   31   (c)   28   (d)   29

16. Look at the series 46,44,40,38,34 __ which number should come next:

    (a) 30   (b)   36   (c)   32   (d)   31

17. Which word does not belong to other:

    (a) Inch   (b)   Kilogram   Centimeter   (d)   Yard

18. If + is X,-is+,xis÷ and ÷ *is* - then answer the following: question:

    21÷8+2-12x3=?

    (a) 14 (b)   9   (c)   -9   (d)   -14

19. If diamond is called gold, gold is called silver, silver is called ruby and ruby I called emerald, which is golden yellow metal?

    (a) Diamond   (b)   silver (c)   gold   (d)   ruby

20. Which number will replace the question mark in the following?
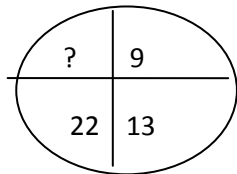
    (a) 40   (b)   38   (c)   44   (d)   39

SECTION-B   (6 X 2)

21. Write the greatest 7-digit number having four different digits.

22. Find the following difference using the number line

        8-6

23. Express the following sum of two prime numbers.

        91

24. Find the sum (-182) and (-105)

25. Reduce the following fraction to simplest from: $\frac{15}{75}$

26. Convert the following sets of unlike decimals to the like decimals,

2.4,0.51, 10.079,103.1

SECTION-C   (8 X 3)

27. A merchant had Rs. 78,592 with her, she placed an order for purchasing 40 radio sets at Rs. 1200. How much money will remain with her after the purchase?

OR

Estimate the following using general rule: 12,904+2,888

28. Find the product using distributive low: 240x103

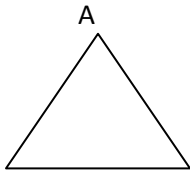29. Find the prime factorization of 7325

OR

Write greatest 4- digit number and express in the form of its prime factors.

30. The sum of two integers is 50. If one of them is -15. Find the other.

31. Convert into like fraction: $\frac{2}{3}, \frac{7}{10}, \frac{8}{15}$ and $\frac{3}{5}$
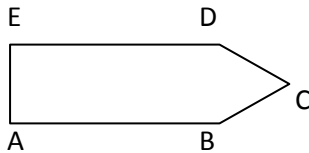
32.   A   In the given fig. Name the point

(a)   In the interior of $\triangle$ ABC

(b)   On the exterior of $\triangle$ ABC

(c)   on the $\triangle$ ABC

33. Express the following in KM using decimals : 6 KM 3 dam 7m.

34. How many angles are in the given fig. and name then

SECTION – D   (6 X 4)

35. Simplify: 100-3(20+2x25÷5)

36. Find the greatest 4 digit number which is divisible by 15,24 and 36

37. Subtract the sum of -545 and -455 from 1000.

OR

Subtract the sum of -568 and 600 from 165.

38. Arrange the following in descending order: $\frac{2}{3}, \frac{3}{5}$ $\frac{7}{10}, \frac{8}{30}, \frac{7}{15}$

39. Sunita travelled 15km 268m by bus, 7km 7m by car and 500m on foot in order to reach school. How far is her school from her residence?

OR

Subtract : (a) 10kg 400g from 25kg500g (b) 25km 8m from 200km 78m

40. Draw a circle with centre o and radius of length 4cm. Mark point A,B,C such that
    (a) A lies in the interior of the circle.
    (b) B lies in the exterior of the circle.
    (c) C lies on the circle.