

MAR THOMA RESIDENTIAL SCHOOL ,THIRUVALLA  
FIRST TERMINAL EXAMINATION 2019- 20  
MATHEMATICS

CLASS VI

MARKS :- 80

TIME :- 2hrs

SECTION – A

Questions from 1 to 11 carry 2 marks each

1. Write each of the following in set-builder form

(a)  $\{2,3,5,7,11\}$                       (b)  $\{\text{January ,June , July }\}$

2 . How many metres make 546 kilometres?

3. (a) Round off 62935 to the nearest hundred

(b) Estimate the answer of  $1375 + 851$

4. Write in figures:

(a) Nine crore thirty eight thousand fifty four

(b) Eighty million six hundred sixty thousand sixty

5. Without making any actual division , find which of the following numbers

**9012 , 4005 , 2010 , 504 , 11121** are

(a) Divisible by 3

(b) divisible by 4

6. Write the prime numbers less than 15.

7. Write the period and place value of the underlined digit 9234692

8. Indicate the property for the following

(a)  $15 \times 17 = 17 \times 15$

(b)  $6 \times (12 - 5) = 6 \times 12 - 6 \times 5$

9. Which of the following are pairs of co- primes?

(a) 27 and 64    (b) 15 and 16    (c) 6 and 9

10. Find the LCM of 18 , 36, 54

11. Write the set of consonants used in the word ‘ **HONG –KONG**’ in roster form.

Also write the cardinal number of the set .

SECTION - B

Questions from 12 to 21 carry 3 marks each

12. Find the HCF of 272, 221 using division method.
13. The population of a city is 3425827. Its population rounded off to  
the nearest lakh is \_\_\_\_\_  
the nearest ten lakh is \_\_\_\_\_  
the nearest ten thousand is \_\_\_\_\_
14. Reduce to the lowest terms
- (a)  $\frac{56}{44}$
- (b)  $\frac{18}{81}$
15. If  $A = \{x / x \text{ is a factor of } 24\}$ . Write A in roster form and find  $n(A)$ .
16. The HCF of two numbers is 18 and their LCM is 378. If one of the numbers is 54, find the other.
17. Find  $43102 + 238723$ .
18. A piece of cloth which is 5 metre long shrinks after washing by 20cm. What is its length after washing?
19. Without actual division find whether 81136 is divisible by 11 (write the steps)
20. Write the prime factorisation of 1280
21. Find the sum, using the associative property  $37 + 74 + 35$

SECTION - C

Each question carries 4 marks.

22. Find the quotient and remainder

$$124676 \div 386$$

23. Carefully observe the pattern below :

$$1 \times 9 + 2 = 11$$

$$12 \times 9 + 3 = 111$$

$$123 \times 9 + 4 = 1111$$

Now, fill in the blanks by inspection :-

$$1234 \times 9 + 5 = \underline{\hspace{2cm}}$$

$$12345 \times 9 + \underline{\hspace{1cm}} = 111111$$

$$123456 \times \underline{\hspace{1cm}} + 7 = 1111111$$

$$\underline{\hspace{2cm}} \times 9 + 8 = 11111111$$

24. Find the LCM of 48, 32, 144

25. 8357 books are sold at Rs.364 each. Find the total money obtained by selling these books.

26. Write each of the following sets in the roster form. State which are singleton sets.

(a) Set of all prime numbers between 90 and 100

(b) Natural numbers between 15 and 30 each divisible by 3 and 4.

(c) Prime numbers divisible by 2

(d) Set of multiples of 3, which are more than 9 and less than 15.

27. Find the HCF by division method

121, 165, 187

28. Find the greatest and the least five digit numbers with '8' in hundred's place and with all the digits different. Also find their sum.

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