



ANANDALAYA
PERIODIC TEST-II
Class : VI

Subject: Mathematics
Date : 22-09-2022

M.M: 50
Time: 2 Hours

General Instructions:

1. All the questions are compulsory.
2. This question paper contains four sections.
3. Section-A comprises of 9 questions of 1 mark each,
4. Section-B comprises of 7 questions 2 marks each,
5. Section-C comprises of 5 questions 3 marks each and
6. Section-D comprises of 3 question of 4 marks each.

SECTION-A

1. What fraction of an hour is 20 minutes. [1]
2. Identify the shape of following objects: i) A baseball ii) A brick [1]
3. Write the HCF of two co-prime numbers. [1]
4. Draw a rough figure of \overline{AB} and \overline{CD} intersect at O. [1]
5. Write all the prime numbers between 70 and 90. [1]
6. The number 334455 is divisible by 11. Will the number 554433 be divisible by 11? [1]
7. Write two examples of pairs of prime numbers which differ by 10. [1]
8. Reduce the fraction $\frac{48}{60}$ to its lowest term. [1]
9. Write the smallest 6- digit number using 2, 0 and 3. [1]

SECTION-B

10. Write the following numbers in numeral form: [2]
i) Seven crore sixty thousand sixty seven
ii) One million forty eight thousand five hundred ninety four
11. Determine the sum of the four numbers as given below: [2]
Successor of 32, predecessor of 49, successor of the successor of 67 and predecessor of the predecessor of 56.
12. Write all the factors of 64. [2]
13. Find the HCF of 24, 28 and 36. [2]
14. Write the smallest digit in the blank space so that the number formed is divisible by 3. [2]
i) 6754 __ 1 ii) 54 __ 45

15. Find the prime factorisation of 180. [2]

16. Draw a quadrilateral MNOP and then name: [2]

- i) A pairs of adjacent sides ii) A pairs of opposite sides iii) A pairs of opposite angles.

SECTION-C

17. i) Write equivalent fraction of $\frac{8}{14}$ having denominator 56. [3]

ii) Arrange the fractions $\frac{3}{8}, \frac{5}{6}, \frac{1}{2}, \frac{1}{3}, \frac{7}{4}$ in ascending order.

18. Find the value by using appropriate properties: [3]

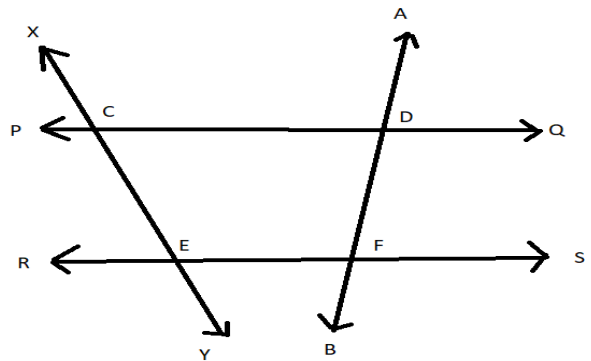
- i) $130 \times 65 - 65 \times 30$ ii) $360 \times 7 + 360 \times 3$

19. Estimate: [3]

- i) 392×616 (by rounding off nearest to 100)
ii) $2792 - 2496$ (by rounding off nearest to 1000)

20. Look at the adjoining figure and write. [3]

- i) A pair of parallel lines
ii) A pair of intersecting lines
iii) An obtuse angle
iv) An acute angle
v) A line segment
vi) A ray



21. Draw a circle and mark the following: [3]

- i) A diameter ii) A sector (shade it)
iii) A segment (shade it) iv) A chord.

SECTION-D

22. i) Find the smallest four digit number which is divisible by 6, 15 and 21. [4]

ii) Vyom has 72 meters of copper wire and 42 meters of steel wire. What is the largest piece of wire he can cut so that each piece is of the equal length?

23. i) A rudraksh weighs about 40 mg. What will be the weight in grams of a necklace consisting 108 such rudraksh? [4]

ii) A cold storage had a stock of 589702 egg trays. Out of this stock 37894 egg trays were sent to Delhi and 42079 egg trays were sent to Haryana. How much is the exact egg count left with cold storage if an egg tray contains 40 eggs?

24. Draw a rough sketch of regular hexagon. Connecting any three of its vertices, draw a triangle. Identify the type of the triangle and polygons so formed and name them. [4]