This Question Paper contains 20 printed pages.
(Part - A & Part - B)

Sl.No. 0100051

12 (E)

(JULY, 2018)
(NCERT OTHERS)

Question Paper Reading 15 Minutes
Part - A : Time : 1 Hour / Marks : 50
Part - B : Time : 2 Hours / Marks : 50

પ્રશ્ન પેપરનો સેટ નંબર જેની સામેનું વર્તુળ OMR શીટમાં ઘટ્ટ કરવાનું રહે છે.

Set No. of Question Paper, circle against which is to be darken in OMR sheet.

01

(Part - A)

Time : 1 Hour] *[Maximum Marks : 50*

Instructions :

1) **There are 50 multiple choice type questions in Part - A and all of them are compulsory.**
2) **The questions are serially numbered from 1 to 50 and each carries 1 mark.**
3) **Read each question carefully, select proper alternative and answer in the O.M.R. sheet.**
4) **Separate OMR sheet is given for answering these questions. The answer of each question is to be given by darkening the circle against options (A), (B), (C), (D) . Circle ● representing the most correct answer is to be darken with ball-pen.**
5) **Set No. of Question Paper printed on the upper-most right side of the Question Paper, the same is to be written in the space provided in the OMR sheet and circle depicting the correct set No. is to be darken with ball pen.**

Rough Work

1) 900 can be expressed as product of prime numbers as _____.

(A) $3^2 \times 2 \times 5^2$ (B) $2^2 \times 3^2 \times 5^2$

(C) $3^3 \times 2^2 \times 5$ (D) $5^3 \times 2 \times 3$

2) L.C.M. of 1200 and 1400 = _____.

(A) 6000 (B) 4200

(C) 8400 (D) 2100

Rough Work

3) H.C.F. $(a, b) = 12$ then their L.C.M. $\neq$ _____.

(A) 24 (B) 36

(C) 48 (D) 40

4) Product of zeros of $2x^2 - 7x + k$ is $-4 \therefore k =$ _____.

(A) $\frac{7}{2}$ (B) $-\frac{2}{7}$

(C) -8 (D) 8

5) Graph of $3x - 2 - x^2$ intersect X axis in _____ points.

(A) 2 (B) 0

(C) 3 (D) 1

6) Zeros of $-4u^2 + 8u$ are _____.

(A) 2, –8 (B) –8, 2

(C) 0, –2 (D) 0, 2

7) If sum of zeros and product of zeros are $-\frac{1}{3}$ and $-\frac{1}{2}$ respectively of a polynomial $p(x)$ then $p(x) =$ _____.

(A) k $(3x^2 - 2x + 1)$

(B) k $(6x^2 + 2x - 3)$

(C) k $(6x^2 - 2x + 3)$

(D) k $(3x^2 + 2x - 1)$

Rough Work

8) For a Linear Equation $-\frac{3x}{2}+\frac{y}{5}=-\frac{1}{10}$

$\therefore\ y =$ _____.

(A) $\frac{10x-1}{5}$

(B) $\frac{15x-1}{2}$

(C) $\frac{2x-1}{10}$

(D) $\frac{3x-1}{10}$

9) For two pairs of Linear Equation $5x - 4y = 1$, $3x + ky = 4$ for their unique solution. $k \neq$ _____.

(A) $\frac{12}{5}$ (B) $\frac{4}{3}$

(C) $\frac{3}{4}$ (D) $-\frac{12}{5}$

10) If $3x - 4y = 6$, $\frac{3}{2}x - 2y = 3$ these pair of Equations have _____ solution.

(A) Infinite

(B) Finite

(C) Unique

(D) No solution