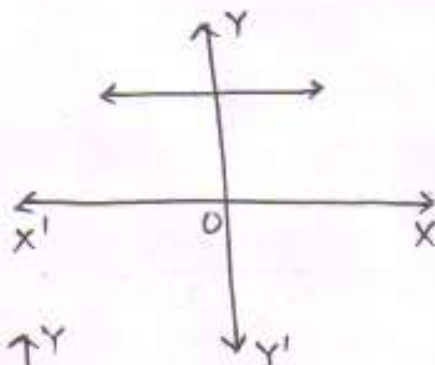


Exercise - 2.1

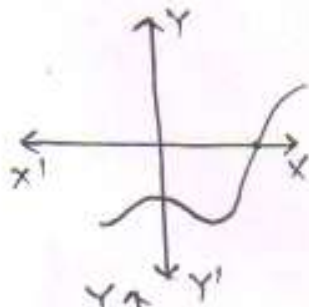
(1) किसी बहुपद  $P(x)$  के लिए,  $y = P(x)$  का ग्राफ नीचे आकृति 2.10 में दिया है। प्रत्येक स्थिति में  $P(x)$  के शून्यकों की संख्या ज्ञात कीजिए।

(i)



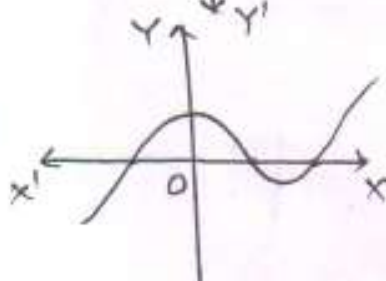
$\therefore$  शून्यक = 0 Ans

(ii)



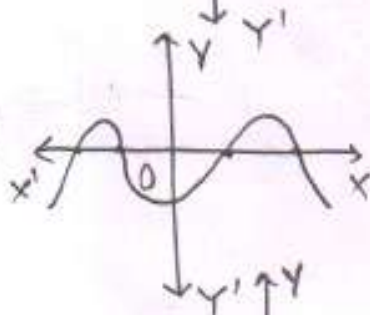
$\therefore$  शून्यक = 1 Ans

(iii)



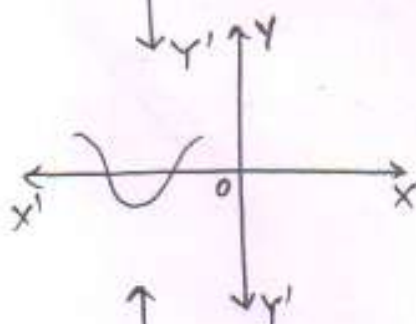
$\therefore$  शून्यक = 3 Ans

(iv)



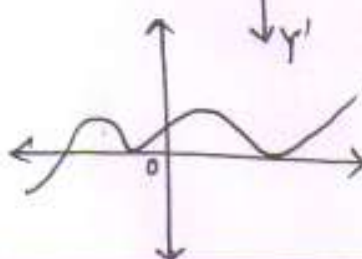
$\therefore$  शून्यक = 4 Ans

(v)



$\therefore$  शून्यक = 2 Ans

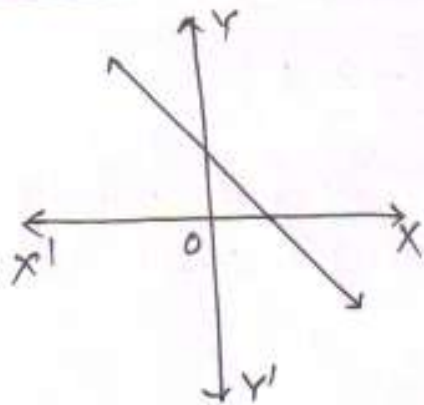
(vi)



$\therefore$  शून्यक = 3 Ans

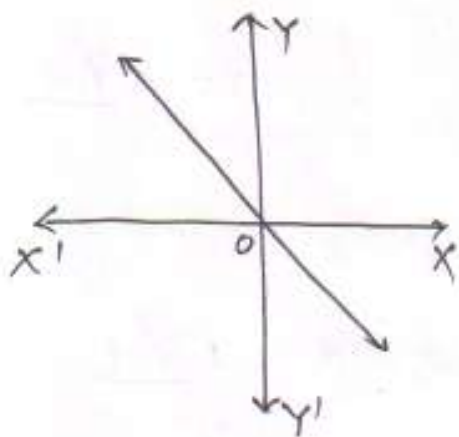
# Extra Question with Answer

Q →



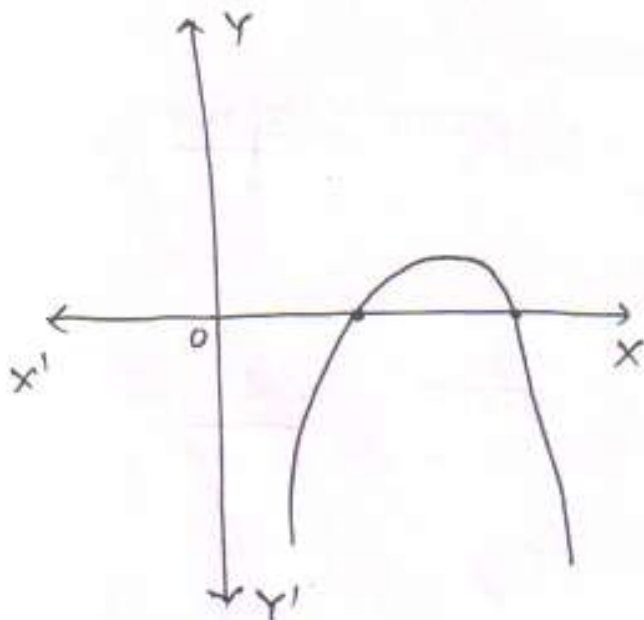
$$\therefore \text{शून्यक} = 1 \underline{A}$$

Q →



$$\therefore \text{शून्यक} = 1$$

Q →



$$\therefore \text{शून्यक} = 2 \underline{\emptyset}$$