Exercise 3.1

Q.1　Express each of the following numbers in scientific notations.

(i)　5700
$$= 5.7 \times 10^3 \text{ Ans}$$

(ii)　49,800,000
$$= 4.98 \times 10^7 \text{ Ans}$$

(iii)　96000000
$$= 9.6 \times 10^7 \text{ Ans}$$

(iv)　416.9
$$= 4.169 \times 10^2 \text{ Ans}$$

(v)　83000
$$= 8.3 \times 10^4 \text{ Ans}$$

(vi)　0.00643
$$= 6.43 \times 10^{-3} \text{ Ans}$$

(vii)　0.0074
$$= 7.4 \times 10^{-3} \text{ Ans}$$

(viii)　60,000,000

$$= 6 \times 10^7 \text{ Ans}$$

(ix)　0.00000000395
$$= 3.95 \times 10^{-9} \text{ Ans}$$

(x)　$\dfrac{275000}{0.0025}$

$$= \dfrac{2.75 \times 10^5}{2.5 \times 10^{-3}} \text{ Ans}$$

Q.2　Express the following number in ordinary notation.

(i)　6×10^{-4}
$$= 0.0006 \text{ Ans}$$

(ii)　5.06×10^{10}
$$= 50600000000 \text{ Ans}$$

(iii)　9.018×10^{-6}
$$= 0.000009018 \text{ Ans}$$

(iv)　7.865×10^8
$$= 786500000 \text{ Ans}$$

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Report any mistake at freeilm786@gmail.com