Exponents Ex 6.4 Q1

Answer :

We have

(i) $20068 = 2 \times 10^4 + 0 \times 10^3 + 0 \times 10^2 + 6 \times 10^1 + 8 \times 10^0$

(ii) $420719 = 4 \times 10^5 + 2 \times 10^4 + 0 \times 10^3 + 7 \times 10^2 + 1 \times 10^1 + 9 \times 10^0$

(iii) $7805192 = 7 \times 10^6 + 8 \times 10^5 + 0 \times 10^4 + 5 \times 10^3 + 1 \times 10^2 + 9 \times 10^1 + 2 \times 10^0$

(iv) $5004132 = 5 \times 10^6 + 0 \times 10^5 + 0 \times 10^4 \ 4 \times 10^3 + 1 \times 10^2 + 3 \times 10^1 + 2 \times 10^0$

(v) $927303 = 9 \times 10^5 + 2 \times 10^4 + 7 \times 10^3 + 3 \times 10^2 + 0 \times 10^1 + 3 \times 10^0$

Note: $a^0 = 1$

Exponents Ex 6.4 Q2

Answer :

We have

(i) $7 \times 10^4 + 6 \times 10^3 + 0 \times 10^2 + 4 \times 10^1 + 5 \times 10^0$

   $= 7 \times 10000 + 6 \times 1000 + 0 \times 100 + 4 \times 10 + 5 \times 1 = 76045$

(ii) $5 \times 10^5 + 4 \times 10^4 + 2 \times 10^3 + 3 \times 10^0$

   $= 5 \times 100000 + 4 \times 10000 + 2 \times 1000 + 3 \times 1 = 542003$

(iii) $9 \times 10^5 + 5 \times 10^2 + 3 \times 10^1$

   $= 9 \times 100000 + 5 \times 100 + 3 \times 10 = 900530$

(iv) $3 \times 10^4 + 4 \times 10^2 + 5 \times 10^0$

   $= 3 \times 10000 + 4 \times 100 + 5 \times 1 = 30405$

*********** END *********