Number of integers greater
than $6000=$ Number of 4 digit integers
greater than $6000+$ number of 5 dight integers greater than 6000
$\therefore$ Number of 4 digit integers greater than 6000

$$
=3 \times 4 \times 3 \times 2=72
$$

$\therefore$ Number of 5 digit integers greater than 6000

$$
=5 \times 4 \times 3 \times 2 \times 1=120
$$

$\therefore$ Total number of integers greater than 6000

$$
=72+120=192
$$

Correct option (4)

