

The number of integers greater than 6,000 that can be formed, using the digits 3, 5, 6, 7 and 8, without repetition, is :

[JEE M 2015]

- (a) 120      (b) 72      (c) 216      (d) 192

**(d)** Four digits number can be arranged in  $3 \times 4!$  ways.

Five digits number can be arranged in  $5!$  ways.

Number of integers =  $3 \times 4! + 5! = 192$ .