# GATE
## Hinglish

# General Aptitude
# Quantitative Aptitude
# Counting Theory

DPP-04

1. How many words can be made from the word "SCARY" using all the alphabets with repetition and without repetition respectively?

   (a) 3125; 120   (b) 1024; 60
   (c) 1024; 240   (d) 240; 1024

2. How many 4-digit numbers can be formed from the digits 1, 2, 3, 4, 5, 6 and 7 which are divisible by 5 when none of the digits are repeated?

   (a) 120   (b) 360
   (c) 24    (d) 720

3. In how many ways can the alphabets of the word 'DERAIL' be arranged so that the vowels come at the odd positions only and no letters are repeated?

   (a) 12   (b) 18
   (c) 36   (d) 24

4. How many words can be made from the letters of the word 'UNITED' taking all the letters at a time considering no letter is to be repeated?

   (a) 120   (b) 720
   (c) 216   (d) 600

5. How many 4-digit numbers can be formed using the digits (1, 3, 4, 5, 7, 9) when repetition of digits is not allowed?

   (a) 300   (b) 320
   (c) 340   (d) 360

6. Find the number of new words that can be formed by rearranging the letters of the word 'ALIVE'?

   (a) 117   (b) 118
   (c) 120   (d) 119

7. What is the number of possible words that can be made using the word "EASYQUIZ" such that the vowels always come together?

   (a) 720
   (b) 120
   (c) 2880
   (d) 4320

8. How many numbers are there between 100 and 1000 in which all the digits are distinct?

   (a) 1000   (b) 810
   (c) 729    (d) 648

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# Answer Key

1. (a)
2. (a)
3. (c)
4. (b)

5. (d)
6. (c)
7. (c)
8. (d)

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