

**Tutorial 7 (Questions)**

State whether the following is a permutation or a combination then find the answer:

- 1 Frank has to answer 3 questions out of 8 questions in an examination
- 2 Arrangement of 4-lettered words from the alphabets C, H, E, M, I, S, T, R, Y
- 3 Andy has to answer 5 questions out of 8 questions in an examination
- 4 Holly has 7 coats, 5 pair of shoes, 4 jewelry sets, and 2 watches
- 5 Find the number of 7-letter permutation from the letters of the word FORMULA
6. A key pad lock has 10 different digits, and a sequence of 5 different digits must be selected for the lock to open. How many key pad combinations are possible?