

## Worksheet: Permutations and Combinations

Uttar Pradesh State Board · Class 11 · Mathematics · 3 questions · 12 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 12

**Q1.** In how many ways can a team of 3 students be selected from a group of 8? *[2 marks]*

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**Q2.** How many 4-digit numbers can be formed using digits 1, 2, 3, 4, 5 without repetition? *[4 marks]*

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**Q3.** A committee of 5 is to be formed from 6 men and 4 women such that there are at least 2 women. Find the number of ways. *[6 marks]*

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