

A matrix in which number of rows and columns are equal is called

- ▶ Rectangular Matrix
- ▶ **Square Matrix (Page 289)**
- ▶ Scalar Matrix

Question No: 25 (Marks: 1) - Please choose one

If the transpose of any square matrix and that matrix are same then matrix is called

- ▶ Additive Inverse
- ▶ Hermitian Matrix
- ▶ **Symmetric Matrix (Page 299)**

Question No: 26 (Marks: 1) - Please choose one

The number of k-combinations that can be chosen from a set of n elements can be written as

- ▶ **nCk (Page 225)**
- ▶ kCn
- ▶ nPk
- ▶ kPk

Question No: 27 (Marks: 1) - Please choose one

The value of $C(n, 0) =$

- ▶ **1 (Page 226)**
- ▶ 0
- ▶ n
- ▶ None of these

Question No: 28 (Marks: 1) - Please choose one

If the order does not matter and repetition is not allowed then total number of ways for selecting k sample from n. is

- ▶ $P(n, k)$
- ▶ $C(n, k)$
- ▶ nk
- ▶ **$C(n+k-1, k)$ (Page 225)**

Question No: 29 (Marks: 1) - Please choose one

If A and B are two disjoint sets then which of the following must be true

- ▶ **$n(A \cup B) = n(A) + n(B)$ (Page 257)**
- ▶ $n(A \cup B) = n(A) + n(B) - n(A \cap B)$
- ▶ $n(A \cup B) = \emptyset$
- ▶ None of these

Question No: 30 (Marks: 1) - Please choose one

Among 200 people, 150 either swim or jog or both. If 85 swim and 60 swim and jog, how many jog?

- ▶ **125 (Page 241)**
- ▶ 225
- ▶ 85