- -2.01
- -3
- **-2 (Page 249)**
- -1.99

Question No: 10 (Marks: 1) - Please choose one
If A and B are two disjoint (mutually exclusive)
events then P(AÈB) =

- P(A) + P(B) + P(AÇB)
- P(A) + P(B) + P(AUB)
- P(A) + P(B) - P(AÇB)
- P(A) + P(B) - P(AÇB)
- **P(A) + P(B)**

Question No: 11 (Marks: 1) - Please choose one
If a die is thrown then the probability that the dots on the top are prime numbers or odd numbers is

- 1
- $\frac{1}{2}$
- $\frac{2}{3}$

Question No: 12 (Marks: 1) - Please choose one
If $P(A \cap B) = P(A)P(B)$ then the events A and B are called

- **Independent (Page 272)**
- Dependent
- Exhaustive

Question No: 13 (Marks: 1) - Please choose one
A rule that assigns a numerical value to each outcome in a sample space is called

- One to one function
- Conditional probability
- **Random variable (Page 274)**

Question No: 14 (Marks: 1) - Please choose one
The expectation of x is equal to

- Sum of all terms
- Sum of all terms divided by number of terms
- $\sum xf(x)$ (Page 277)

Question No: 15 (Marks: 1) - Please choose one
The degree sequence {a, b, c, d, e} of the given graph is