► A ∪ B
► **A ∩ B (Page 42)**
► A--B
► None of these

Question No: 14 (Marks: 1) - Please choose one
If A and B are two sets then The set of all elements that belong to A but not B , is

► A ∪ B
► A ∩ B
► None of these
► **A—B**

Question No: 15 (Marks: 1) - Please choose one
If A, B and C are any three events, then P(A∪B∪C) is equal to
► P(A) + P(B) + P(C)
► **P(A) + P(B) + P(C)- P(A□B) - P (A □C) - P(B □C) + P(A □B □C) (Page 264)**
► P(A) + P(B) + P(C) - P(A∩B) - P (A ∩C) - P(B ∩C)
► P(A) + P(B) + P(C) + P(A ∩B ∩C)

Question No: 16 (Marks: 1) - Please choose one
If a graph has any vertex of degree 3 then
► It must have Euler circuit
► It must have Hamiltonian circuit
► It does not have Euler circuit

Question No: 17 (Marks: 1) - Please choose one
The contradiction proof of a statement p →q involves

► Considering p and then try to reach q
► Considering ~q and then try to reach ~p
► **Considering p and ~q and try to reach contradiction (Not sure)**
► None of these

Question No: 18 (Marks: 1) - Please choose one
How many ways are there to select a first prize winner a second prize winner, and a third prize winner from 100 different people who have entered in a contest.

► None of these
► **P(100,3)**
► P(100,97)
► P(97,3)

Question No: 19 (Marks: 1) - Please choose one
A vertex of degree 3 is called a
► Terminal vertex
► **Internal vertex (Page 323)**

Question No: 20 (Marks: 1) - Please choose one