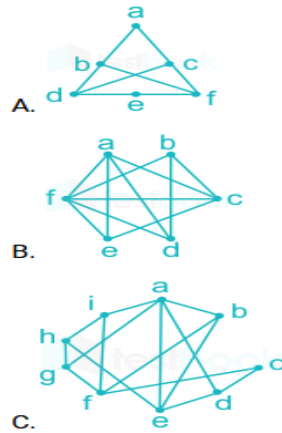


Name :
Enrollment No.:

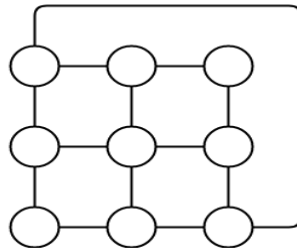
Tutorial:

Date :
Programme:

1. **Question:** Which of the following graphs are planar?



- A and B only
 - B and C only
 - A only
 - B only
2. **Question:** Let G be a connected planar graph with 10 vertices. If the number of edges on each face is three, then the number of edges in G is?
3. **Question:** Find chromatic number of following graph.



4. **Question:** How many unique colors will be required for proper vertex coloring of an empty graph having n vertices?
- 0
 - 1
 - 2
 - n
5. **Question:** From the graph below which of the following statement is not true?
Note: b_2 denotes maximum independent set and a_2 denotes minimum vertex cover.
- The set (b, f) is a maximum independent set
 - $b_2 = 2$
 - $a_2 = 5$
 - (a, b, c, e, g) is the minimum vertex cover

