Assignment 7

Due on 2020-09-16, 22:00 IST.

Multiple Choice Questions

1. The graph is a __________. (circle one)
   - Tree
   - Undirected graph
   - Directed graph
   - Star
   - Graph

   [Diagram of a tree or forest]

   2. For a simple graph with 3 vertices, which of the following statements is true?
   - There is at least one cycle.
   - There is at most one cycle.
   - There are no cycles.
   - At least three edges.
   - At most three edges.

   [Diagram of a simple graph with three vertices and edges]

   3. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is not a simple planar graph.
   - The system is a simple planar graph.
   - The system is not a planar graph.
   - The system is a simple graph.
   - The system is a planar graph.

   [Diagram of a planar graph]

   4. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   5. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   6. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   7. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   8. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   9. The system shown is a simple planar graph. Which of the following statements is true?
   - The system is a simple planar graph.
   - The system is not a simple planar graph.
   - The system is a planar graph.
   - The system is a simple graph.
   - The system is not a planar graph.

   [Diagram of a simple planar graph]

   10. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]

   11. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]

   12. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]

   13. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]

   14. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]

   15. The system shown is a simple planar graph. Which of the following statements is true?
    - The system is a simple planar graph.
    - The system is not a simple planar graph.
    - The system is a planar graph.
    - The system is a simple graph.
    - The system is not a planar graph.

    [Diagram of a simple planar graph]