Graph Theory QUIZ 1

Each question is carrying two marks.
Time alloted: 5 min.
Do not cheat yourself
* Required

1. Email address *

    _____

Student-ID

2. Enroll No. *
    089-CSE-20015

    _____

3. What is total number of simple un-directed graphs possible with 5 vertices? 2 points

    Mark only one oval.

    ⬭ 32

    ⬭ 1024

    ⬭ 2048

    ⬭ 512

4. A trivial graph consists of

2 points

Mark only one oval.

- ( ) one vertex and one edge
- ( ) one edge and two vertices
- ( ) one edge only
- ( ) one vertex only

5. A 6 vertices un-directed graph is said to be complete for how many edges?

2 points

Mark only one oval.

- ( ) 30
- ( ) 60
- ( ) 15
- ( ) 45

6. Koinsberg's bridge problem deals with

2 points

Mark only one oval.

- ( ) Euler's graph only
- ( ) hamiltonian graph
- ( ) both of the above
- ( ) none of these

7. if a graph doesn't satisfies the ore's theorem for Hamiltonian circuit.What can 2 points be said about the graph

Mark only one oval.

○ May have Hamiltonian Circuit

○ May have not Hamiltonian Circuit

○ None of these

○ Both of these