2022

MATHEMATICS (Honours)

Paper Code: MTMH-H-SEC-1

[CBCS]

Full Marks: 14   Time: 1hr

Notations and symbols have their usual meanings.

Part-A.

Answer all the questions.
Each question carries 1 marks
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1. What is the degree of a vertex in a graph?
2. What is multi graph?
3. Give an example of open path.
4. What is complement of a simple graph?
5. Define regular graph.
6. Define walk in a graph.

Part-B.

Each question carries 4 marks
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1. How many vertices are there in a graph with 15 edges having each vertex degree 3.
2. Draw a graph of 5 vertices having degree 3,3,3,3,4.