DEPARTMENT OF MATHEMATICS

UMS20GO1T- DISCRETE MATHEMATICAL STRUCTURES

Common to B.C.A and B.Sc.-Computer science

UNIT-III

PARTA

1	A graph is a collection of				
	a) Row and Column	b) Vertices and Edges	c) Equations	d) None of these	(b)
	The degree of any vertex of graph is ?				Answer
2	a) Number of edges incident with vertex	b) Number of vertex in a graph	c) Number of vertices adjacent to that ertex	d) Number of edges in a graph	(a)

4.50	A graph with no edges is known as empty graph. Empty graph is also known as ?					
3	a) Complete graph	b) Bipartite graph	c) Regular graph	d) Trivial graph	(d)	

Sum of degrees of	all vertices is	- 147 (147)	20 Sapril - Consult - Sapril	Answer
 n) Odd	b) n vertices	c) even	d) n edges	(c)

	In a graph if e = (u, v) means				Amerwer
5	a) e is line joining between u and v	b) u is adjacent to v but v is not adjacent to u	c) both (a) and (b)	d) None of these	(a)

6	A graph with all vertices having equal degree is known as a				
	a) multi graph	b) regular graph	c) simple graph	d) complete graph	(b)
-	Every pair of vertices are adjacent is called			Answer	
	a) degree of vertex	b) sub graph	e) cyclic graph	d) complete graph	(d)

- 0	In a is t	he vertex set and edge :	set are finite sets		Answer
-8	a) connected graph	b) infinite graph	c) finite graph	d) bipartite graph	(c)

	A simple graph can have				
9	a) multiple edges	b) no loops and multiple edges	c) parallel edges	d) self loop	(b)

 Every isomorphic grapl	nmast have	representatio	on .	Answer
a) Adjacency matrix		e) tree	d) adjacency list	(m)

11	Vertex is					
	an edge that starts and ends at the same vertex	b) a line connecting two vertices	c) an edge	d) a point	(d)	
12	Euler path must touch					

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