

Question No: 1 / 11

If for some positive integer k , degree of vertex $d(v)=k$ for every vertex v of the graph G , then G is called... ?

- ☒ 1) K -regular graph
- ☐ 2) K graph
- ☐ 3) All of above
- ☐ 4) Empty graph

السؤال التالي

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The degree of any vertex of graph is ?

- ☒ 1) The number of edges incident with vertex
- ☐ 2) Number of vertices adjacent to that vertex
- ☐ 3) Number of vertex in a graph

السؤال التالي

السؤال السابق

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A graph is a collection of.... ?

- ☒ 1) Row and columns
- ☐ 2) Equations
- ☐ 3) Vertices and edges

السؤال التالي

السؤال السابق

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Radius of a graph, denoted by $\text{rad}(G)$ is defined by.... ?

- ☐ 1) $\min \{ d(u,v) : u \text{ belongs to } V, u \text{ does not equal to } v \}$
- ☐ 2) $\max \{ d(u,v) : u \text{ belongs to } V, u \text{ does not equal to } v \}$
- ☒ 3) $\min \{ e(v) : v \text{ belongs to } V \}$
- ☐ 4) $\max \{ e(v) : v \text{ belongs to } V \}$

السؤال التالي

السؤال السابق

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Eccentricity of a vertex denoted by $e(v)$ is defined by.... ?

- ☐ 1) . Both A and B
- ☐ 2) $\min \{ d(u,v) : u \text{ belongs to } V, u \text{ does not equal to } v \}$
- ☒ 3) $\max \{ d(u,v) : u \text{ belongs to } V, u \text{ does not equal to } v : \text{ where } d(u,v) \text{ is the distance} \}$
- ☐ 4) None of these

السؤال التالي

السؤال السابق

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A graph G is called a if it is a connected acyclic graph ?

- ☐ 1) . Not a graph
- ☒ 2) Tree
- ☐ 3) Regular graph
- ☐ 4) Cyclic graph

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A graph with no edges is known as empty graph. Empty graph is also known as... ? Trivial graph b. Regular graph c. Bipartite graph d. None of these

- ☐ 1) None of these
- ☐ 2) Bipartite graph
- ☐ 3) Regular graph
- ☒ 4) Trivial graph

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A graph with all vertices having equal degree is known as a _____

- ☐ 1) Multi Graph
- ☐ 2) Complete Graph
- ☐ 3) Simple Graph
- ☒ 4) Regular Graph

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In a graph if $e=(u,v)$ means

- ☐ 1) v is edge and u is node
- ☐ 2) v is node and u is edge
- ☒ 3) e begins at u and ends at v
- ☐ 4) u is adjacent to v but v is not adjacent to u

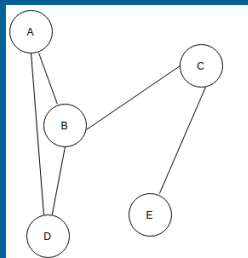
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In the given graph identify the cut vertices.



- ☐ 1) B and E
- ☒ 2) C and B
- ☐ 3) A and E
- ☐ 4) C and D

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Number of edges incident with the vertex V is called?

- ☒ 1) Degree of a Vertex
- ☐ 2) Handshaking Lemma
- ☐ 3) Degree of a Graph
- ☐ 4) None of the above

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