

الإختبارات الإلكترونية

Question No: 3 / 15

إنهاء الإختبار

٠٠:٠٥:٤٩



السؤال التالي

السؤال السابق

Question No: 3 / 15

A graph is a collection of.... ?

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



إنهاء الإختبار

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السؤال التالي

السؤال السابق

Question No: 2 / 15

If in a graph multiple edges between the same set of vertices are allowed, it is called?

- ☒ 1) Hamiltonian Graphs
- ☐ 2) Euler Graphs
- ☐ 3) Multi graph
- ☐ 4) Simple graph





السؤال التالي

Question No: 1 / 15

The degree of any vertex of graph is ?

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

إنهاء الاختبار

00:05:32



السؤال التالي

السؤال السابق

Question No: 6 / 15

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



إنهاء الاختبار

00:05:39



السؤال التالي

السؤال السابق

Question No: 5 / 15

A simple graph has no loops. What other property must a simple graph have?



1) It must have at least one vertex.



2) It must be undirected.



3) It must be directed.



4) It must have no multiple edges.

إنهاء الإختبار

00:05:43



السؤال التالي

السؤال السابق

Question No: 4 / 15

What is Null Graph?



1) null graph has no even vertex



2) null graph has no odd vertex



3) null graph has no edges



إنهاء الإختبار

00:05:22



السؤال التالي

السؤال السابق

Question No: 9 / 15

The maximum degree of any vertex in a simple graph with n vertices is

- ☒ 1) n
- ☐ 2) $2n-1$
- ☐ 3) $n+1$
- ☐ 4) $n-1$



إنهاء الاختبار

00:05:26



السؤال التالي

السؤال السابق

Question No: 8 / 15

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



إنهاء الاختبار

00:05:28



السؤال التالي

السؤال السابق

Question No: 7 / 15

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





السؤال التالي

السؤال السابق

Question No: 12 / 15

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



1) e begins at u and ends at v



2) u is adjacent to v but v is not adjacent to u



3) v is edge and u is node



4) v is node and u is edge



إنهاء الاختبار

٠٠:٠٥:١٤



السؤال التالي

السؤال السابق

Question No: 11 / 15

What is the degree of vertex D?

☐ 1) 4☐ 2) 3☐ 3) 2☐ 4) 1

إنهاء الاختبار

00:05:20

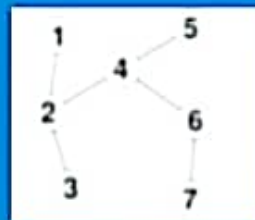


السؤال التالي

السؤال السابق

Question No: 10 / 15

Which set represents the vertices of the graph?



1) $\{1,2\}, \{2,3\}, \{2,4\}, \{4,5\}, \{4,6\}, \{6,7\}$



2) $\{1, 2, 3, 4, 5, 6, 7\}$



3) $\{1, 2, 3, 4, 5, 6\}$





السؤال السابق

Question No: 15 / 15

In the Graph Theory, a graph need to have a minimum of ____ nodes and ____ edges.

☐ 1) 2;2

☐ 2) 2;1

☐ 3) 1;1

☐ 4) 1;0



السؤال التالي

السؤال السابق

Question No: 14 / 15

If a graph has a number associated with each edge then the graph is called a ... ?

- ☒ 1) Digraph
- ☐ 2) Weighted graph
- ☐ 3) Directed Graph
- ☐ 4) Network

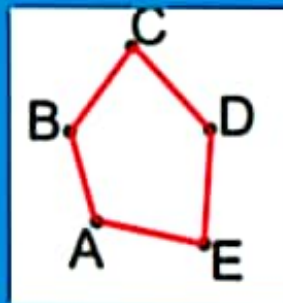


السؤال التالي

السؤال السابق

Question No: 13 / 15

The graph represents the following vocabulary term.

☒ 1) Complete Graph☐ 2) Path☐ 3) Cycle