King Saud University
Information Systems Department

Project Management (IS-351)

Home Work # 2

Student Name:-

_____

Section No.: _____

SID No.:

_____   _____

Student Class No.:

Total Marks:- 10

Marks

Awarded:_____

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Question 1: Match column (A) with   column (B)   **(3.5 points)**

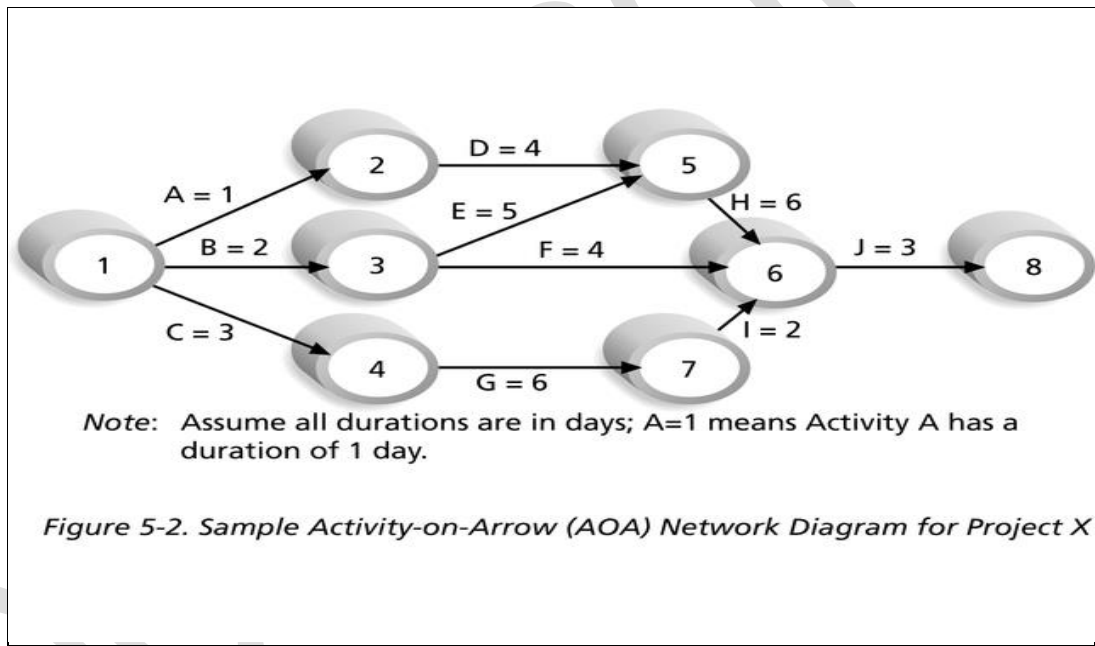| Number index	COLUMN (A)	Alphabet Index	COLUMN (B)
[1]	**WBS is an acronym for**	[P]	A document that formally recognizes the existence of a project and provides direction on the project's objectives and management
[2]	**A scope statement is**	[Q]	Critical Path Method
[3]	**A project charter is**	[R]	The series of activities that determine the earliest time by which the project can be completed.
[4]	**CPM is an acronym for**	[S]	A resource works on more than one task at a time
[5]	**A critical path for a project is**	[T]	a document used to develop and confirm a common understanding of the project scope
[6]	**Multitasking occurs when**	[U]	Work breakdown structure
[7]	**Program Evaluation and Review Technique (PERT)**	[V]	Uses probabilistic time estimates –duration estimates based on using optimistic, most likely, and pessimistic estimates of activity durations-instead of one specific or discrete estimate.

ANSWER:

Number Index in Column A	[1]	[2]	[3]	[4]	[5]	[6]	[7]
Matching alphabet Index in Column B	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Question 2:   **(2 points)**

(I)   *Carefully read the three following statements labelled A, B, C and D based on the diagram shown below in figure 5-2:*

Note: Assume all durations are in days; A=1 means Activity A has a duration of 1 day.

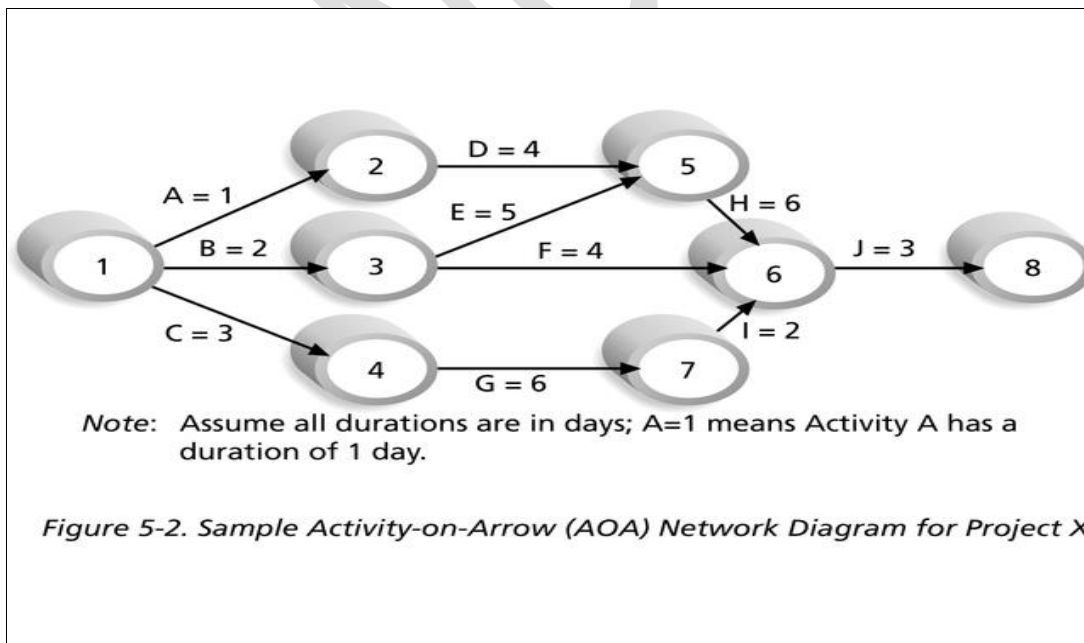Figure 5-2. Sample Activity-on-Arrow (AOA) Network Diagram for Project X

A) In the Activity-on-Arrow diagram, shown in the above figure, the number 8 represents a node.

B) In the Activity-on-Arrow diagram, shown in the above figure, the two nodes labelled 3 and 6 respectively, represent the starting and ending point of activity F.

C) In the Activity-on-Arrow diagram, shown in the above figure, the first node labelled 1 signifies the start of the project.

D) In the Activity-on-Arrow diagram, shown in the above figure, the node labelled 6 signifies the end of the project, because many arrows are meeting at this node.

(II) _Answer by putting an (*) in the vacant cells of the table provided, indicating your judgement as (T) or (F) or (I don't know) to the indexed statements of the table labelled as 1, 2, 3 and 4 respectively. Only one choice is correct. In case of more than one choice, the answer is null._

ANSWER:

Index	Statement to be judged as (T) , (F) or (I don't know)	T	F	I don't know
1	The information provided in Statement (A) is not correct			
2	The information provided in Statement (B) is not correct			
3	The information provided in Statement (C) is correct			
4	The information provided in Statement (D) is correct			

Question 3:   **(4.5 points)**
Inspect the diagram shown below then answer the questions related to it.

Figure 5-2. Sample Activity-on-Arrow (AOA) Network Diagram for Project X

Q 3.a *How many path(s) are in this diagram starting from node 1 to node 8? (0.5 point)*

ANSWER: _____

Q 3.b *Name the path(s) that are in this diagram starting from node 1 to node 8? (0.5 point)*

ANSWER: _____

Q 3.c *How many critical path(s) are in this diagram starting from node 1 to node 8? (0.5 point)*

ANSWER: _____

Q 3.d *Name the critical path(s) that are in this diagram starting from node 1 to node 8?*
(0.5 point)

ANSWER: _____

Q 3.e *What is the shortest time to complete the project whose activities are shown in the figure?*
(0.5 point)

ANSWER: _____

Q 3.f *Based on the same diagram, name the activity that must be done before activity D?*
(0.5 point)

ANSWER: _____

Q 3.g *Based on the same diagram, name the activity that must be done before activity G?*
(0.5 point)

ANSWER: _____

Q 3.h *Based on the same diagram, name the two nodes that represent the final activity of this project? (0.5 point)*

ANSWER: _____

Q 3.h *Based on the same diagram, name the two nodes that represent activity G of this project?*
(0.5 point)

ANSWER: _____

Question 4: Bonus question   (1 point)

Define the following term: Critical Chain Scheduling.

ANSWER: _____

_____

_____

_____

_____

_____

Q1 /3.5 pts	Q2 /2pts	Q3 /4.5pts	Q4 /1pt (BONUS)
[/ 3.5]	[/ 2]	[/ 4.5]	[/ 1]

Mark out of [10]	Mark out of [1.25]