

# National University of Computer and Emerging Sciences, Lahore Campus



**Course:** Software Engineering  
**Program:** BS (Computer Science)  
**Duration:** 20 Minutes  
**Quiz Date:** 9-May-23  
**Section:** 6D

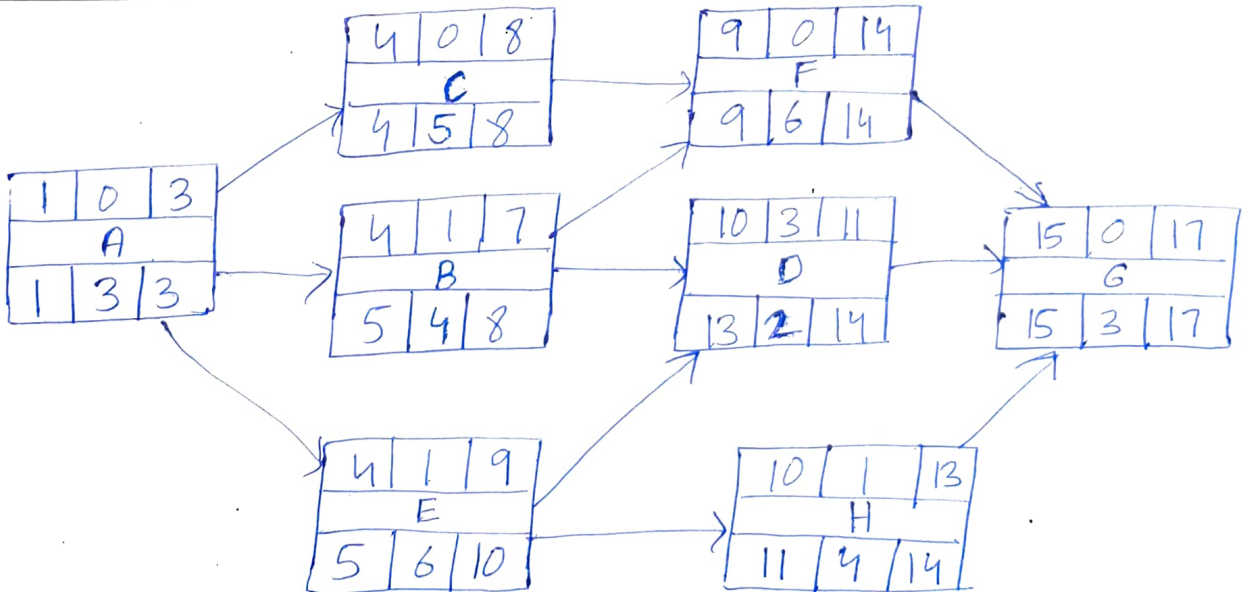
**Course Code:** CS-3009  
**Semester:** Spring 2023  
**Total Marks:** 15  
**Roll No. Name:** *Solution*

Question 1:

(15 Marks)

Using the information provided in the table below. Draw an activity network and find out the critical path. Clearly mention the Critical Path.

Activity	Predecessor	Duration
A	-	3
B	A	4
C	A	5
D	B, E	2
E	A	6
F	C, B	6
G	D, F, H	3
H	E	4



**Critical Path :-**  $A \rightarrow C \rightarrow F \rightarrow G$