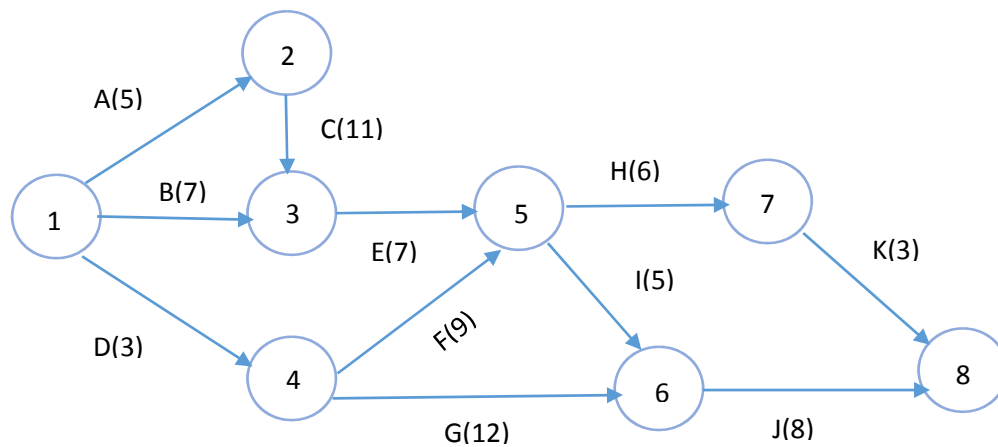


Question No 1:

Find the critical path and the expected duration of the following project.



Question No 2:

A project has the following time schedule.

Activity	Time(hours)
1-2	2
1-3	2
1-4	1
2-5	4
3-6	8
3-7	5
4-6	3
5-8	1
6-9	5
7-8	4
8-9	3

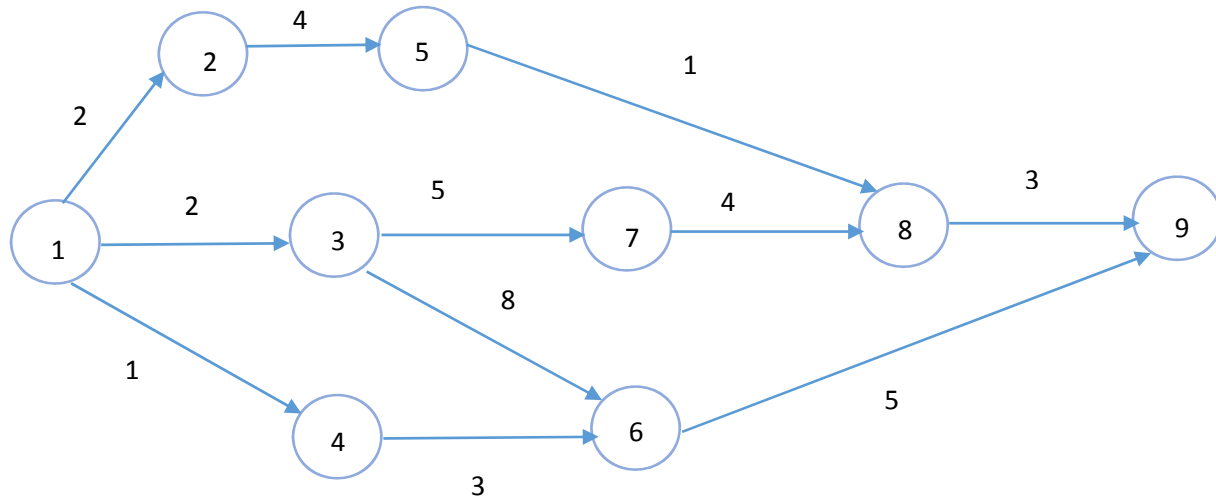
a) Draw the network

b) Calculate the following time estimates.

- Earliest Start Time (EST) of each activity.
- Earliest Finish Time (EFT) of each activity.

Question No 3:

Calculate the LST and LFT for each activity for the network given below.



Find the critical path and the expected duration of the project.

Question No 4:

A small marketing project consists of the jobs as shown in the table below.

Activity	Predecessor	Duration
X	-	4
Y	-	5
Z	X	6

a) Draw the Network diagram.

b) Calculate the following time estimates.

- Earliest Start Time of each activity
- Earliest Finish Time of each activity
- Latest Start Time of each activity
- Latest Finish Time of each activity

c) Critical Path and its duration.

Question No 5:

A project with 10 activities is given below

Activity	1-2	2-3	2-4	3-5	4-5	4-6	4-7	5-7	6-7	7-8
Duration	1	5	3	4	2	5	9	4	2	2

- a) Construct the Network
- b) Find the Critical Path.