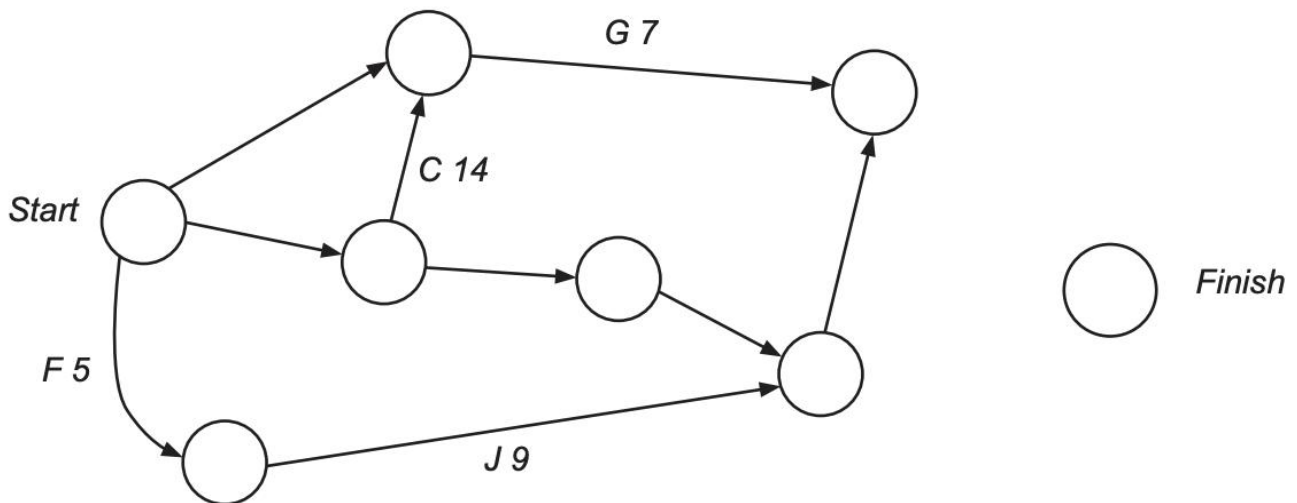


Question 11**(11 marks)**

The following table, consisting of 11 activities, contains information for a project in a small manufacturing company.

Activity	Immediate Predecessors	Time (hours)
A	—	4
B	—	5
C	A	14
D	A	7
E	—	7
F	—	5
G	B, C	7
H	D	6
J	E, F	9
K	H, J	10
L	G, K	6

- (a) Complete the project network below. (3 marks)



- (b) State the critical path and the minimum completion time for this network. (2 marks)

- (c) Determine the float time, earliest starting time, and latest starting time for Activity G. (3 marks)
- (d) Due to some unforeseen problems with Activities G and J, **one** of these activities will require an extra three hours to complete. Which of the activities should be chosen for the completion time to be at a minimum? Justify your answer. (3 marks)