

COOPERATIVE UNIVERSITY OF KENYA
MATHEMATIC
QUESTION ANSWERS QUANTITATIVE ANALYSIS

Question 1

A project has 11 activities with the activities preceding constraints, time estimates and work team requirements as shown

Activity	Preceding activity	Days	Work team
A	-	10	5
B	A	8	3
C	A	5	5
D	B	6	4
E	D	8	1
F	C	7	2
G	E,F	4	2
H	F	2	1
I	F	3	3
J	H,I	5	1
K	J	2	5

Required:

- Prepare a network and indicate critical path.
- Prepare a time chart and work team requirement.
- Can the work team resource be levelled further? Why