

# KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS  
2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER  
MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN RENEWBLE  
ENERGY AND BIOFUELS TECHNOLOGY

**COURSE CODE:** IET 481

**COURSE TITLE:** PROJECT MANAGEMENT FOR TECHNOLOGISTS

**DURATION:** 2 HOURS

**DATE:** 12/10/2021

**TIME:** 2:00-4:00PM

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## INSTRUCTIONS TO CANDIDATES

- Answer **QUESTION ONE** (Compulsory) and any other two (2) Questions.
- Indicate **answered questions** on the front cover.
- Start every question on a new page and make sure question's number is written on each page.

This paper consists of 3 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating



	6	0.4										
3-4	3	0.3	3	1	4	9	1	4	0	6	0	7
	6	0.4										
	8	0.3										
4-5	2	0.2	6	7	7	5	8	3	3	6	3	0
	3	0.2										
	4	0.6										

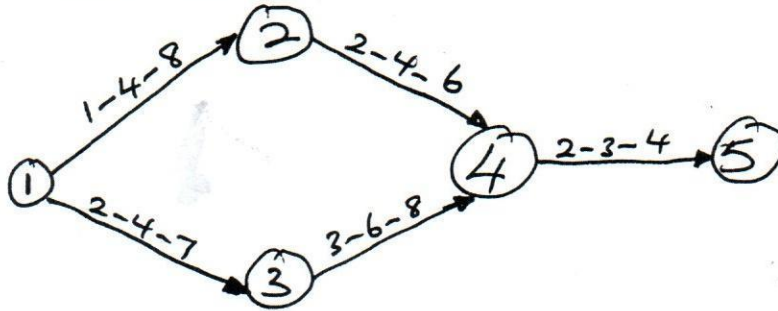


Fig. 1

**QUESTION 5 (20 marks)**

A project has eleven activities whose duration is given in the following table.

Activity	1-2	2-3	2-4	3-5	3-6	4-5	4-7	5-8	6-8	7-8	8-9
Duration (days)	2	8	10	6	3	3	7	5	2	8	3

- Draw the network
- Determine total, free and independent floats.
- Identify the critical activities, the critical path and project duration.