



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF EDUCATION  
(PLANNING AND ECONOMICS OF EDUCATION)

1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2018/2019 ACADEMIC YEAR

REGULAR PROGRAMME

MAIN CAMPUS (SCHOOL BASED)

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COURSE CODE: EMA 845

COURSE TITLE: MICRO PROJECT PLANNING IN EDUCATION

EXAM VENUE: STREAM: M. ED. (PLANNING & ECON OF EDUC)

DATE: EXAM SESSION:

TIME: 3 HOURS

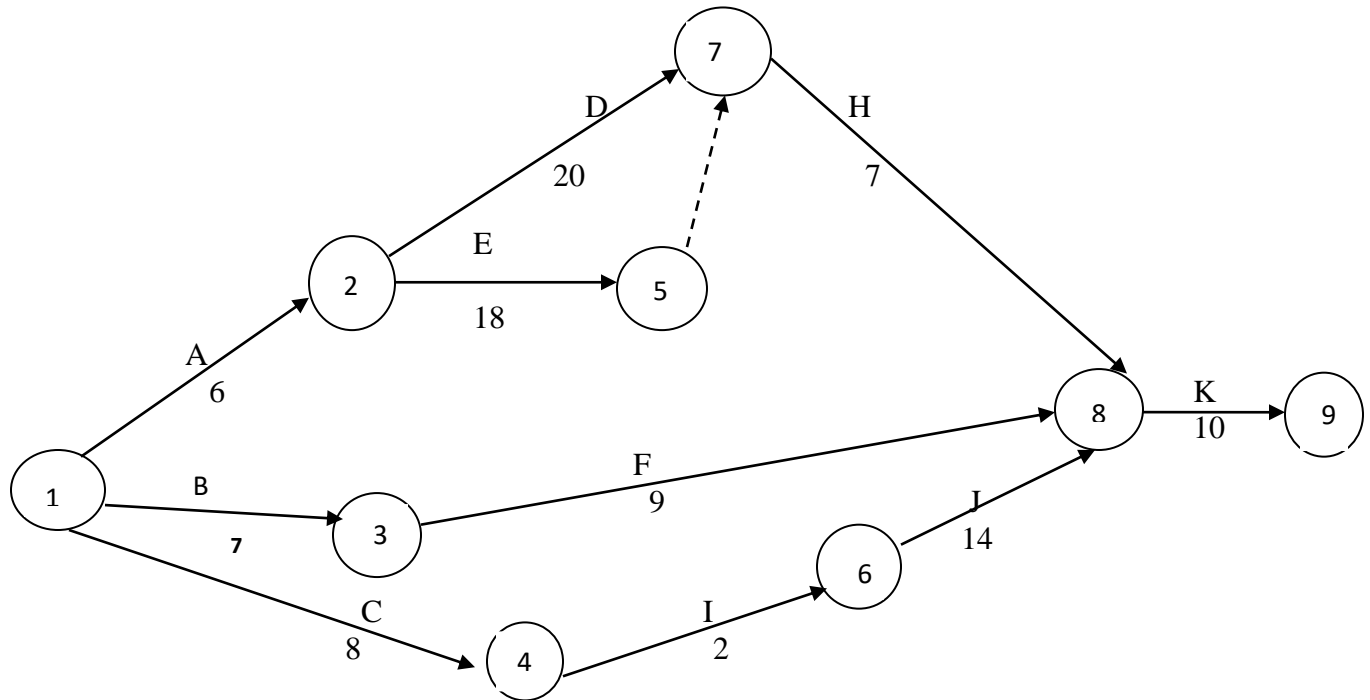
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#### INSTRUCTIONS

1. Answer any **THREE** questions.
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

### QUESTION ONE

Study the diagram below and answer the questions beneath it.



- a) Assuming you are to manage an educational project which this network of activities represent, calculate the following project times :
  - i) The Earliest start time (8 mks)
  - ii) The latest finish time (6 mks)
- b) Locate the critical path(s) and identify the critical and the non-critical activities (6mks)

### QUESTION TWO

- a. Using the net work in question one, Compute the total, Free, Interference and independent floats of the project (12mks)
- b) Discuss two major methods which can be used in reducing the completion time of a project (8mks)

### **QUESTION THREE**

- a) Explain the rules and conventions of drawing a network (9mks)
- b) Discuss seven common project risks (7mks)
- b) Examine the following terms as used in project planning:
  - i) Activity
  - ii) Event
  - iii) Dummy activities
  - iv) Path ( 4 mks)

### **QUESTION FOUR**

- a) Examine four steps of practical approach to project planning (12 mks)
- b) Discuss the phases of Project planning (8mks)

### **QUESTION FIVE**

Examine the contention that every project planning has got challenges and solutions ( 20mks)