# MURANG'A UNIVERSITY COLLEGE

*( A Constituent College of Jomo Kenyatta University of Agriculture and Technology)*
**SCHOOL;** ENGINEERING AND TECHNOLOGIES

**DEPARTMENT**: ELECTRICAL ENGINEERING

**LEVEL: DIPLOMA**

**CLASS: MRUC/EEP/14DJ**

**SEMESTER: 2**

**ACADEMIC YEAR: 2014/2015**

**UNIT:  INDUSTRIAL ORGANIZATION & MANAGEMENT**

**UNIT CODE: SEE1208**

**DATE: 17TH APRIL 2015**                                            **TIME: 2 HOURS**

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*Instructions to candidates*

This paper contains **FOUR (4)** questions

Attempt questions **one** and any other **two**

**No mobile phone!!!!!!!!!!!!**

You should have the following for this examination;
- Drawing instruments
- Scientific calculator

## Section A

Q1      (a) State *two* factors that influence the demand for: (i) labour (ii) capital          [4mrks]

(b) Explain *two* ways of "taking off" material                                          [4mrks]

(c) Explain *four* principles of management                                          [8mrks]

(d) State *four* means of defending the law of tort                                  [4mrks]

(e) Explain *three* types of engineering tenders                                      [6mrks]

(f) Explain the following documents as used in ordering

       (i)   Debit note

      (ii)  Purchase order               [4mrks]

## SECTION B

(Q2)    (a)   Explain *three* classifications of contracts          [6mks]

      (b) With a chart diagram analyse estimating and tendering      [14mks]


Q 3    (a) State *five* advantage of preventive maintenance in production firm    [5 mrks]


      (b) With the aid of block diagram explain steps involved in work – study    [8mrks]

      (c) Outline *six* manufacturing overhead costs         [3mrks]


      (d) Explain **two** functions of an administration office in a production plant    [4mrks]

Q4

    a.   Outline **four** common obstacles encountered in project management which may lead to project failure      [ 4mrks]

    b.   State **four** Advantages of critical path method      [4mrks]
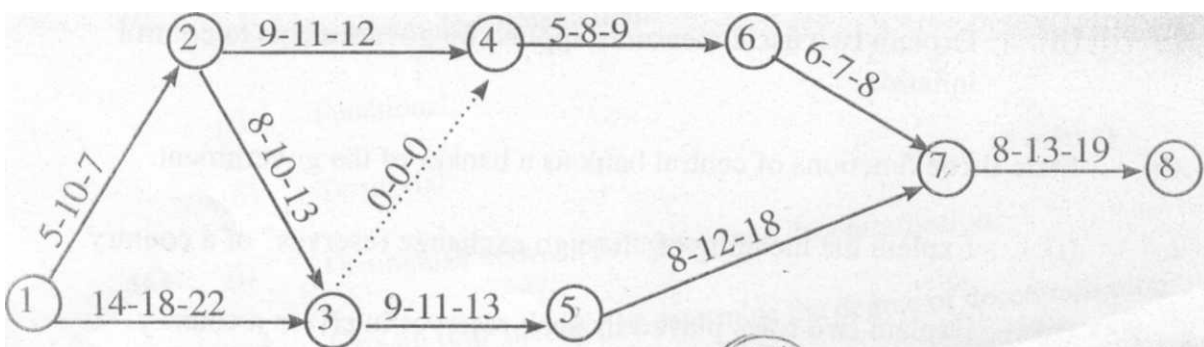

(c)



Figure 1 shows a PERT project network with the three time estimates in days as shown:

Determine the:

    (i)   Expected times of each activity

    (ii)  Critical path and its variance          [12marks]