

(A constituent college of Jomo Kenyatta University of Agriculture and Technology)

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

DIPLOMA AUTOMOTIVE/PRODUCTION ENGINEERING

INDUSTRIAL ORGANIZATION AND MANAGEMENT II

END OF SEMESTER II EXAMINATION

COURSE CODE: SEM 1212

CLASSES: MRUC/A/P/14J

DATE: 23RD APRIL 2015 TIME:2 HOURS

INSTRUCTIONS:

QUESTION ONE IS COMPULSORY

ATTEMPT ANY OTHER TWO QUESTIONS

1.(a) State and explain five factors that influence plant location.	(10 Marks)
(b) List five objectives for layout planning.	(5 Marks)
(c) Explain two advantages and three disadvantages of process layout planning	. (5 Marks)
(d) List and explain any five principles of effecient material handling system.	(10 Marks)
2.(a)State four forms of planned maintenance.	(4 Marks)
(i) Describe four advantages of planned maintanence.	(4 Marks
(ii) Explain the term Centralized maintenance and give two advantages and two of the System.	o disadvantages (6 Marks)
(b) With the aid of neat labeled sketch describe the bath tub curve.	(6 Marks).

3.(a) Define the term Work Study.	(2 Marks)
(b) List two techniques used in work study.	(2 Marks)
(c) Explain seven steps (procedure) involved in carrying out Method Study.	(7 Marks)
(d) State three reasons/aims of work study.	(6 Marks)
(e) List any three advantages of standardization process.	(3 Marks)
4.(a)State three objectives of production planning and control.	(3 Marks)
(i) Describe the following types of production processes.	
-Job production	
-Batch production	
-Mass production	(6 Marks)
(ii) List any five important elements in production planning and control.	(5 Marks).
(b) With the aid of neat labeled sketch describe the bath tub curve.	(6 Marks).