

B.E DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2009)

Seventh Semester

MECHANICAL ENGINEERING

MEC121: Production Planning And Control

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ means preparing the scheme in advance before the actual work is started
 - a) Production planning
 - b) Production scheduling
 - c) Production control
 - d) Production system
2. In job production the quantity of product involved is _____
 - a) Large
 - b) small
 - c) one
 - d) Zero
3. The process chart symbol used for inspection is _____
 - a) circle
 - b) Triangle
 - c) Square
 - d) Line
4. The process chart symbol used for _____ is inverted triangle
 - a) Movement
 - b) Operation
 - c) Process
 - d) Storage
5. _____ value is the value of amount of cost included into the product to enhance its customer appeal.
 - a) Esteem
 - b) Discounted
 - c) Depreciation
 - d) Cost
6. Batch production employs _____ type layout
 - a) Product
 - b) Process
 - c) Mixed
 - d) Combined
7. The acronym for FCFS is _____
 - a) First come first served
 - b) First count first speed
 - c) First come first speed
 - d) First count first served
8. Critical ratio is stated as demand time to _____

(ii) What are the salient features and benefits of micro motion study? (10)

23. a) (i) Define routing. Explain the various factors affecting routing procedures. (7)

(ii) Describe the several factors affecting process planning in detail. (7)

(OR)

b) (i) Enumerate the several objectives of Value analysis. (7)

(ii) Explain how sig sigma quality is related in analysis of process capabilities in a multi-product system. (7)

24. a) (i) Explain the various functions of production scheduling in detail. (7)

(ii) What is Production scheduling and explain the various types of scheduling in detail. (7)

(OR)

b) (i) List the benefits of Kanban system in detail. (4)

(ii) What is a Manufacturing lead time? Why it is considered important in Production scheduling? (10)

25. a) Discuss Just In Time manufacturing system. Discuss the basic elements of JIT in detail.

(OR)

b) Explain MRP II in detail. Discuss the role of MRP II in inventory management system in detail.
