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Total No. of Printed Pages: 1

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B. Tech ME (Semester – 8th)
OPERATION MANAGEMENT
Subject Code: BMECD1822
Paper ID: 18112351

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. What is production and operational management?
- b. Define the term Work Study?
- c. Examine about product and process development.
- d. What is JIT?
- e. Distinguish between product development and design
- f. What do you mean by Acceptance Sampling?
- g. What are the steps involved in Work measurement?
- h. Define the term Quality Control?
- i. What are the difference between MRP I & MRP II.
- j. What is Time study?

Section – B

(5 marks each)

- Q2. “Product layout is better than process layout.” Do you agree with this statement? Support your answer.
- Q3. What is aggressive planning? Explain its functions?
- Q4. How inventory control techniques works in real world? List out its importance.
- Q5. What is meant by “ISO 9000 series standards”? Explain its scope.
- Q6. What is quality control? Explain with an example.

Section – C

(10 marks each)

- Q7. What is Six Sigma? What are the various elements of six sigma?
- Q8. What is line of balance? Explain the LOB technique with an illustration?
- Q9. Explain in detail about Total Productivity Model?