Roll No…………………….. **Total No. of Printed Pages: [01]**

Total No. of Questions: [09]

Business Administration (BBA-MBA Integrated) (Semester – 3rd)
PRODUCTION AND OPERATION MANAGEMENT
Subject Code: BMBAS1304
Paper ID: [20390117]

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 operations management and what are the main functions of an Operations Manager?
b) Briefly describe Henry Ford's contribution to operations management.
c) How does the JIT approach contribute to reducing inventory costs?
d) What are the key objectives of implementing a lean production system?
e) Explain ABC analysis in inventory management.
f) What is the Economic Order Quantity (EOQ) model?
g) What are the key characteristics of product design?
h) Explain the important factors to consider in location analysis.
i) What are the main objectives of inventory management?
j) Discuss how product development techniques can enhance innovation in a competitive market.

Section – B **(5 marks each)**

Q2. Discuss the classification of production systems based on process selection.

Q3. Explain the product development process and its technical aspects.

Q4. Analyze the importance of facility location and the techniques used for location analysis.

Q5. What are the key objectives and factors affecting inventory control policies?

Q6. Examine the objectives of inventory management and their role in maintaining optimal stock levels. How do these objectives affect overall business performance?

Section – C **(10 marks each)**

Q7. Discuss the contributions of Deming, Crossby, and Taguchi to operations management and quality control.

Q8. Explain the JIT approach in detail and how the Kanban system operates within JIT?

Q9. Analyze the Basic EOQ Model and how re-order level and inventory costs affect inventory management?