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Total No. of Printed Pages: 1

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BBA (Aviation Management) (Semester – 6th)
PRODUCTION & OPERATION MANAGEMENT
Subject Code: BBADS2605
Paper ID: [20150233]

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)

Q.1 Attempt the following:

- a What do you understand by Production and Operations Management?
- b Differentiate between product layout and process layout.
- c What is capacity planning, and why is it important?
- d Describe the concept of assembly line balancing.
- e Define work study and its two main components.
- f Define JIT.
- g What are the major costs associated with maintaining inventory?
- h What do you understand by supply chain management?
- i Define "Quality" in the context of quality management.
- j What are Quality Circles in the context of TQM?

Section – B

(5 marks each)

- Q.2 What factors influence facility location decisions? Also, discuss the significance of facility location decisions in production management?
- Q.3 Explain the process of production planning and control, highlighting scheduling and routing.
- Q.4 Discuss the methods used in time study for work simplification.
- Q.5 Explain the ABC analysis in inventory management.
- Q.6 What is Statistical Process Control (SPC), and how are control charts used?

Section – C

(10 marks each)

- Q.7 Discuss in detail the functions of production and operations management and its relationship with other functional areas of business.
- Q.8 Explain the basic EOQ model with its assumptions and how it helps in inventory control.
- Q.9 Discuss the importance of quality as a corporate strategy and explain the concept of Total Quality Management (TQM) and its application in modern businesses.