

**Term End Examination – December, 2016**

**Program Title: Diploma in Management**

**Course Title: Production and Operations Management**

**Course Code: DIM-6**

**(Session 2015-16)**

Time – 3 hours

Full Mark – 100

**Answer any four questions from Group –‘A’, any two questions from Group –‘B’ and any three questions from Group –‘C’.**

**Group ‘A’**

**(Answer any four questions each within 100 words)**

Q. No. 1

Marks: 5 X 4=20

- (a) Outline the system view of operations management.
- (b) What is assembly line balancing?
- (c) What is capacity requirement planning?
- (d) Write five objectives of operations management.
- (e) What is the meaning of facility layout?
- (f) What do you mean by product layout?
- (g) Define inventory costs.

**Group ‘B’**

**(Answer any two questions each within 250 words)**

Q. No. 2

Marks: 10 X 2=20

- (a) Discuss the merits and demerits of assembly line balancing.
- (b) Explain the steps in capacity requirement planning.
- (c) Describe the steps involved in total quality management.
- (d) Explain the need for selecting a suitable factory location.
- (e) What is layout planning?

**Group 'C'**

(Answer any three questions each within 500 words)

Marks: 20 X 3=60

- Q.N. 3      What is operations management? List out the functions of operations management.
- Q.N. 4      Discuss in detail the steps in product design and process selection.
- Q.N. 5      Why is Assembly Line important in mass production? Explain with the help of appropriate examples.
- Q.N. 6      What refers to owning or controlling sources of raw materials and components? Elaborate your view points.
- Q.N. 7      Why is inventory required? Provide adequate reasons.
- Q.N. 8      ABC Analysis is the basis for material management processes. Justify the statement.