

00753
**MASTER OF BUSINESS ADMINISTRATION
(NETWORK INFRASTRUCTURE
MANAGEMENT)
(MBANIM)**

**Term-End Examination
December, 2012**

MCR-005 : OPERATIONS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Explain briefly the distinguishing features between Product and Services in the context of Operations management
- (b) Explain the different tradeoff's you would consider in the decision involving staying in your own house and staying in a rented accommodation.
2. (a) There is considerable resistance to putting up a Nuclear Power Plant in recent times. Indicate some of the important considerations when selecting a site for setting up of a Nuclear Power Plant.

- (b) Discuss some of the models available for deciding facilities location for either single plants or multiple plants.
- 3.
 - (a) Discuss how Uncertainty affects capacity decisions.
 - (b) How do long term and short term capacity decision differ ?
- 4. Discuss the various aspects that must be considered which a job is designed.
- 5. Explain the purpose of Aggregate Planning and explain the level production and chase strategy of aggregate planning. Explain the different cost that need to be considered in each of these strategies.
- 6. In an attempt to increase productivity and reduce costs, a firm is planning to install an incentive pay plan in its manufacturing plant. In developing standards for one operation, time study analyst observed a worker for 30 minutes. During that time the worker completed 42 parts. The analyst rated the worker as producing at 130%. The base wage rate of the worker is Rs.100 per hour. The firm has established 15% as a fatigue and personal time allowance. Work out the following :

- (a) What should be the normal time for the task per part ?
 - (b) What should be standard time and hence the cost per part ?
- 7.
- (a) Explain the concept of ABC analysis in inventory management.
 - (b) The demand for a certain part was estimated to be 200 units per month. The cost of transportation from the vendor to the factor was estimated to be Rs. 300 per order. The inventory holding cost was 15% of the cost of the product. The unit cost of the product the vendor was presently being paid is Rs.30 per unit. Estimate the economical order quantity.
8. Explain the following aspects of Operations Management :
- (a) Quality Control Vs Quality Assurance.
 - (b) Preventive maintenance Vs Breakdown maintenance.
 - (c) Use of PERT chart for controlling project schedule.
 - (d) Benefits of standardization of parts in managing a store in a factory.