

**(DME 321)**

**B.Tech. DEGREE EXAMINATION, MAY - 2015**

**(Examination at the end of Third Year)**

**MECHANICAL ENGINEERING**

**Paper - I : Operations Management**

**Time : 3 Hours**

**Maximum Marks : 75**

**Answer question No. 1 compulsory**

**(15)**

**Answer One question from each unit**

**(4 × 15 = 60)**

**1)** Write a brief note on the following :

- a) Mass and flow production
- b) TQM
- c) Forecasting
- d) XYZ Analysis
- e) Job order production

**UNIT – I**

**2)** Briefly explain EOQ models.

OR

**3)** Explain Master scheduling methods.

**UNIT – II**

**4)** a) Enumerate Aggregate planning methods.

b) Explain different ranges of plan.

OR

**5)** a) Explain different planning models.

b) Discuss in brief functions of Materials Management.

**UNIT – III**

**6)** Explain in detail about MRP and its importance.

OR

**7)** Explain in detail about reliability of a system.

## UNIT - IV

- 8) Explain in brief the following :
- a) Purpose & Types of inventories.
  - b) Safety stock
  - c) CRP.

OR

- 9) Explain various charts used for quality control.

φφφ