

**BACHELOR OF ENGINEERING (MECHANICAL ENGINEERING) FOURTH  
YEAR SECOND SEMESTER- 2023**

**Industrial Management**

**Time: 3 hrs**

**Full Marks: 100**

Answer any **five** questions

- 1) a) Write F.W.Taylor's scientific management and justify its importance.  
b) Write down the advantages of line and staff organisation.  
c) State the major functions of a manager of an organisation.  

**8+6+6=20**
  
- 2) a) Write the objectives of inventory control.  
b) "ABC analysis has a great impact on inventory control" – Explain.  
c) Explain with diagram the Break-even analysis.  

**5+5+10=20**
  
- 3) a) What are the various types of layout? Explain with their advantages and disadvantages.  
b) Discuss the factors which are directly related for the selection of facility location.  

**10+10=20**
  
- 4) a) State the importance of Work study in industrial management.  
b) Explain the classifications of Work study.  
c) Explain briefly *five* types of Forecasting methods.  

**3+7+10=20**
  
- 5) a) Define 'slack' and 'float'.  
b) Write the difference between PERT and CPM.  
c) Explain the need of Industrial Safety. Mention various steps to control the industrial accidents.  
d) Develop a network based on the following information-  
Activities:                    A B C D E F G H  
Intermediate predecessor: \_ \_ A B C,D D E F  

**3+5+6+6=20**
  
- 6) Write short notes on any *four*:
  - a) Role of Ergonomics in Industrial Management.
  - b) Preventive Maintenance.
  - c) Time Study
  - d) Quality Control
  - e) Value Engineering

**4x5=20**