



Name :

Roll No. :

Invigilator's Signature :

CS/B.TECH(EIE-NEW)/SEM-8/HU-802(EI)/2011

2011

INDUSTRIAL MANAGEMENT

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

- i) Who is the father of Human Relation approach ?
 - a) Elton Mayo
 - b) Henri Fayol
 - c) F. W. Taylor
 - d) Mary Parker Foilet.
- ii) Management is a art of
 - a) profit making
 - b) misleading customer
 - c) getting thing done by others
 - d) satisfying the competitors.



- iii) Mechanization of material handling increases
 - a) output cost
 - b) handling cost
 - c) efficiency and economy in handling
 - d) none of these.
- iv) Contribution is the difference between
 - a) sales and fixed cost
 - b) sales and variable cost
 - c) sales and cost of good sold
 - d) none of these.
- v) Positive working capital is the excess of
 - a) current liability over current assets
 - b) current assets over current liabilities
 - c) current assets over fixed assets
 - d) none of these.
- vi) Management is
 - a) an art
 - b) a science
 - c) both (a) & (b)
 - d) none of these.
- vii) If input increase while output remain constant, what will happen to productivity ?
 - a) It will increase
 - b) It will decrease
 - c) It will remain same
 - d) None of these.
- viii) Which one is not the element of marketing mix ?
 - a) Product
 - b) Price
 - c) Place
 - d) Packing.



- ix) The production which has definite beginning and definite end is known as
- Project production
 - Job production
 - Mass production
 - Batch production.
- x) A device to move materials along a definite path and used for moving bulk materials over long distance is known as
- Fork lift truck
 - Elevator
 - Hoists
 - Conveyor.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- What do you mean by Management ? Write down the main functions of management.
- What is margin of safety ? How can it be improved ?
- State the concept of Break-Even Analysis. Give example.
- Write down the terms CPM and PERT.
- Explain authority and responsibility.

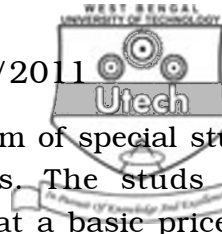
GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- Write down the different types of Production system.
 - How does production planning differ from production control ?
 - State the functions of the production planning. $4 + 5 + 6$
- Briefly describe the contribution made by "HENRY FAYOL" in the field of modern management.
 - Briefly describe the two sets of assumption about human behaviour as per DOUGLAS MCGREGOR.

$11 + 4$



9. a) A company uses 2000 units per annum of special studs in the manufacture of its products. The studs are procured from a local manufacturr at a basic price of Rs. 10 each. The procurement cost per order is Rs. 20 and inventory carrying cost is 20%. The suppliers following discount on the basic price for order quantities of

<i>Order Quantity</i>	<i>Discount</i>
400 - 799	2%
800 - 1599	4%
1600 and above	6%

What quantity should be oreded to optimize cost ?

- b) What are the two costs associated with inventory management ? 12 + 3
10. Explain briefly relative merits and demerits of breakdown maintenance, preventive maintenance and TPM.
From the following data observed during inspection of dimensions of an item.
Determine :
- Mean/average dimension.
 - Upper control limit.
 - Lower control limit.
 - Plot the dimensions to see whether the process is under control or not :
- Data : 1.65, 1.70, 2.00, 1.65, 2.50, 2.25, 1.70, 1.60, 1.50, 2.00, 1.70, 2.25, 2.50, 1.50, 2.25, 1.60, 1.65, 1.60.

7 + 8

11. Write notes on any *two* of the following :

$2 \times 7 \frac{1}{2}$

- Statistical Quality control
- BCG Matrix
- Performance appraisal
- Gant Chart
- VED analysis of inventory control.