INDUSTRIAL MANAGEMENT (SEMESTER - 8)

CS/B.TECH(EIE-NEW)/SEM-8/HU-802(EI)/09
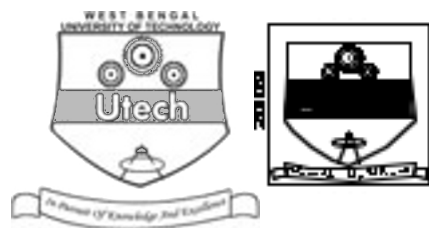
1. ....
   Signature of Invigilator

2. ....
   Signature of the Officer-in-Charge

   Reg. No.

   Roll No. of the Candidate

CS/B.TECH(EIE-NEW)/SEM-8/HU-802(EI)/09

ENGINEERING & MANAGEMENT EXAMINATIONS, APRIL – 2009

INDUSTRIAL MANAGEMENT (SEMESTER - 8)

Time : 3 Hours]   [Full Marks : 70

INSTRUCTIONS TO THE CANDIDATES :

1. This Booklet is a Question-cum-Answer Booklet. The Booklet consists of **32 pages**. The questions of this concerned subject commence from Page No. 3.

2. a) In **Group – A**, Questions are of Multiple Choice type. You have to write the correct choice in the box provided **against each question**.

   b) For **Groups – B** & **C** you have to answer the questions in the space provided marked 'Answer Sheet'. Questions of **Group – B** are Short answer type. Questions of **Group – C** are Long answer type. Write on both sides of the paper.

3. **Fill in your Roll No. in the box** provided as in your Admit Card before answering the questions.

4. Read the instructions given inside carefully before answering.

5. You should not forget to write the corresponding question numbers while answering.

6. Do not write your name or put any special mark in the booklet that may disclose your identity, which will render you liable to disqualification. Any candidate found copying will be subject to Disciplinary Action under the relevant rules.

7. **Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.**

8. You should return the booklet to the invigilator at the end of the examination and should not take any page of this booklet with you outside the examination hall, **which will lead to disqualification**.

9. Rough work, if necessary is to be done in this booklet only and cross it through.

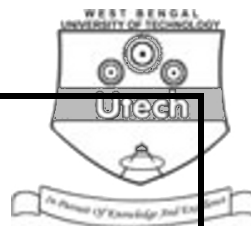### No additional sheets are to be used and no loose paper will be provided

FOR OFFICE USE / EVALUATION ONLY
Marks Obtained

					Group – A						Group – B		Group – C		Total Marks	Examiner's Signature
Question Number																
Marks Obtained																

....
Head-Examiner/Co-Ordinator/Scrutineer

802 (21/04)

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SEMESTER - 8

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GROUP – A

(Multiple Choice Type Questions)

1.   Choose the correct answer for the following :   10 × 1 = 10

   i)   EOQ means

      a)   Excess Order Quantity   b)   Economic Order Quantity

      c)   Exempted Order Quantity   d)   none of these.

   ii)   When authority flows from the top executive to the lower level of employees it is known as

      a)   Functional Organisation   b)   Staff Organisation

      c)   Formal Organisation   d)   Line Organisation.

   iii) Which of the following is a principle of Total Quality Management ?

      a)   Customer satisfaction   b)   Continuous improvement

      c)   Both (a) & (b)   d)   None of these.

   iv)   Job satisfaction refers to

      a)   attitude of an employee towards his work

      b)   work culture

      c)   relationship between superiors and subordinates

      d)   appraisal of the performance of employees.

   v)   Who is the father of Scientific Management ?

      a)   Frank Gilberth   b)   F. W. Taylor

      c)   Mary Parker Follet   d)   Max Weber.

vi) The production which has definite beginning and definite end is known as

  a) Project Production   b) Job Production

  c) Batch Production   d) Mass Production.

vii) Productivity is the

  a) Output-Input Ratio   b) Input-Output Ratio

  c) Both of these   d) None of these.

viii) Margin of Safety is the

  a) Excess Actual Sales over Break-even Sales

  b) Excess Break-even Sales over Actual Sales

  c) Excess Actual Sales over Targeted sales

  d) None of these.

ix) Contribution is the difference between

  a) Sales and Fixed Cost   b) Sales and Variable Cost

  c) Sales and Cost of goods sold   d) None of these.

x) For registration of trade union the minimum number of members required is

  a) 7   b) 14

  c) 21   d) 28.

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. Highlight the basic elements of Scientific Management.

3. State how authority and responsibility are interrelated.

4. How do you discuss BCG Matrix ?

5. Mention the basic steps in the formation of an organisation.

6. How does Personnel Management differ from Human Resource Management ?

GROUP – C

(Long Answer Type Questions)

Answer any *three* questions.   3 × 15 = 45

7. a) Define EOQ. State the importance of EOQ in inventory control.

    b) A particular item has demand of 15,000 units per year. The cost of one procurement is Rs. 200 and the holding cost per unit is Rs. 1·50 per year. Determine

        i)   the Economic Order Quantity.

        ii) the number of orders during the order.

        iii) the gap between two orders.

        iv) the total cost per year if the cost of one unit is Rs. 75.

                                                        4 + 4 + 7 (3 + 1 + 1 + 2)

8. a) What is Cost Volume Profit Analysis ?

    b) State the assumption of Break-even Analysis.

    c) From the following information calculate :

        i)   Profit Volume Ratio.

        ii) Break even point sales.

        iii) Sales-required to earn a profit of Rs. 75,000.

        iv) Profit when sales are Rs. 5,00,000.

Year	Sales	Profit
2007 Rs. 1,50,000	Rs. 30,000	
2008 Rs. 2,00,000	Rs. 50,000	

        Fixed cost, variable cost and selling price during the years 2007 and 2008 remain constant.   4 + 3 + 8

9. a) State the meaning and objectives of control charts.

    b) From the following information draw a P-Chart. Size of five samples is 100.

Sample Number :	1	2	3	4	5	
No. of Defectives :	4	0	5	2	3	7 + 8

10. a) What is Job evaluation ?

b) State the importance of it.

c) Discuss the advantages and limitations of Job evaluation. 2 + 5 + 8

11. a) What do you mean by Forecasting ?

b) State the main objectives and functions of Forecasting.

c) Mention the limitation of it. 2 + 10 + 3

12. Write notes on any *two* of the following : $2 \times 7\frac{1}{2}$

a) Collective Bargaining

b) SWOT Analysis

c) Quality circle

d) Time study and Motion study.

———————

END