



Name :

Roll No. :

Invigilator's Signature :

CS/M.Tech(CHE)/SEM-2/CHE-12/2011

2011

MANAGEMENT PRINCIPLES

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.*

Answer any *five* questions selecting at least one question from
each Module.

Module – I

1. Define the term 'Management'. Briefly discuss various
schools management thought. 2 + 12

2. Define Span of management and its significance in
structuring an organization. Explain the advantages and
disadvantages of departmentalization by functions. 7 + 7

30099 (M.Tech)

[Turn over



Module – II

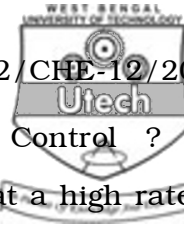
3. What are the objectives of Production control ? Explain the term 'Capacity Planning'. What are the factors to be considered in a capacity plan ? 5 + 3 + 6
4. Discuss different methods of Training. What do you mean by creative conflict management ? 8 + 6

Module – III

5. What do you mean by Total Quality Management ? Explain the seven tools of Quality Management. Explain Quality Circles. 4 + 10
6. Explain SWOT Analysis. What are the objectives of Stress Management ? What do you mean by Technology Acquisition ? 5 + 5 + 4

Module – IV

7. What do you mean by the term 'Acceptance Sampling' ? Explain Operating Characteristic Curve. Describe the features of Chain Sampling Plan. 4 + 5 + 5



8. What you mean by Statistical Process Control ? An automated machine produces 5 m.m. bolts at a high rate of speed. A quality control program has been started to control the number of defectives. The quality control inspector selects 50 bolts at a random and determines how many defectives are there. The number of defectives for first 10 samples is as follows :

Sample Number	Sample Size	Number of Defectives
1	50	3
2	50	5
3	50	0
4	50	4
5	50	1
6	50	2
7	50	6
8	50	5
9	50	7
10	50	7

Construct the control chart and comment whether the process is under control. 5 + 9

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