

**III B.Tech II Semester Regular Examinations, Apr/May 2008**  
**INDUSTRIAL MANAGEMENT**  
 ( Common to Mechanical Engineering, Production Engineering and  
 Automobile Engineering)

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. State and explain Henry Fayol's principles of management. If them identify any four principles which you consider as very significant. [16]
2. Discuss the matrix organisation structure and explain its strategic advantages and also disadvantages. [16]
3. (a) Enumerate the basic types of plant layouts.  
 (b) Use suitable diagrams supplementing your narration. [10+6]
4. (a) Define the term 'work study' and state its objectives.  
 (b) What benefits do you derive from work study. [8+8]
5. (a) What are the broad objectives of materials manager in a manufacturing organisation?  
 (b) How do you apply system concept as a materials manager in an organisation? [8+8]
6. Draw the network for the following project; it is further given that project completion time is 42 days. Find the find the project duration. Also identify the critical path. [16]

Activity	Description	Duration-days
1-2	Idea generation	7
1-3	Market survey	10
2-4	Prototype making	7
3-5	Advertisement campaign	9
4-5	Distribute samples	5
4-6	Commencement of production	5
5-7	Fixing up sales outlet	7
6-7	Manufacture	14

7. (a) Distinguish between 'stratified sampling' and 'random sampling'.  
 (b) Critically evaluate the advantages and limitations of sampling inspection. [8+8]
8. Discuss in detail the broad objectives of Human Resources Management and what are the prerequisites for attaining the objectives? [16]

Code No: R05320301

Set No. 1

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Code No: R05320301

**Set No. 2**

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1. What are the different problems and difficulties that are generally faced by managers in decision making? How can you overcome them? [16]
2. (a) Distinguish between formal and informal organisation.  
(b) Describe the steps involved in the organising process. [8+8]
3. (a) What are the broad objectives of a good plant layout?  
(b) Explain clearly the important factors that influence the layout decision. [8+8]
4. (a) Define the term 'work study' and state its objectives.  
(b) What benefits do you derive from work study. [8+8]
5. Discuss the role of inventory control in the total materials management function. How can it influence the efficiency of management? [16]
6. What is meant by 'crashing' of network? Give step by step procedure for crashing. Illustrate with an example of your choice. [16]
7. (a) How do you draw inferences from a control chart?  
(b) How can you improve the process by using control charts? [8+8]
8. Write short notes on:
  - (a) Job description
  - (b) Job rotation
  - (c) Job enlargement
  - (d) Job analysis. [4+4+4+4]

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1. 'Most important leaders show great concern, both for task and people' - comment on the validity of this statement providing a theoretical frame work. [16]
2. (a) What is 'Delegation' and explain the process of delegation?  
 (b) Answer briefly on 'Committee organisation'. [8+8]
3. Suggest suitable locations for the following industries and what are the key factors to be considered?  
 (a) Auto parts unit  
 (b) Food processing industries  
 (c) Large scale milk dairy. [16]
4. What are the objectives of 'Time study' and how is it organized? 1[6]
5. Discuss the role of inventory control in the total materials management function. How can it influence the efficiency of management? [16]
6. Given the following data, work out the minimum duration of the project and corresponding cost. [16]

Activity	Job	Time		Cost	
A	1-2	10	6	400	600
B	1-3	4	2	100	140
C	2-4	6	4	360	440
D	3-4	8	4	600	900
E	2-5	8	6	840	1100
F	4-6	6	2	200	300
G	5-6	10	8	1200	1400

7. (a) Distinguish between inspection, quality control and quality assurance.  
 (b) Explain the objectives and functions of quality control. [8+8]
8. Write short notes on:  
 (a) Job description  
 (b) Job rotation

Code No: R05320301

**Set No. 3**

(c) Job enlargement

(d) Job analysis.

[4+4+4+4]

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**Set No. 4**

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1. Write a detailed note on Taylor's principles and contribution under scientific management. [16]
2. (a) What do you understand by Departmentation and how can it be implemented?  
(b) How do you strike balance between centralisation and decentralisation in a department under your control? [8+8]
3. Discuss in detail the various factors that influence the place selection for industrial location. [16]
4. Enumerate the steps involved in basic work study procedure. [16]
5. (a) What do you understand by 'ABC analysis'?  
(b) How is it implemented?  
(c) What are the managerial benefits of adopting ABC analysis?  
(d) Supplement your answer with suitable diagram. [4×4=16]
6. What is meant by 'crashing' of network? Give step by step procedure for crashing. Illustrate with an example of your choice. [16]
7. (a) What are the objectives of control charts?  
(b) Distinguish between variable data and attribute data. [8+8]
8. Critically evaluate the different methods of job evaluation. [16]

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