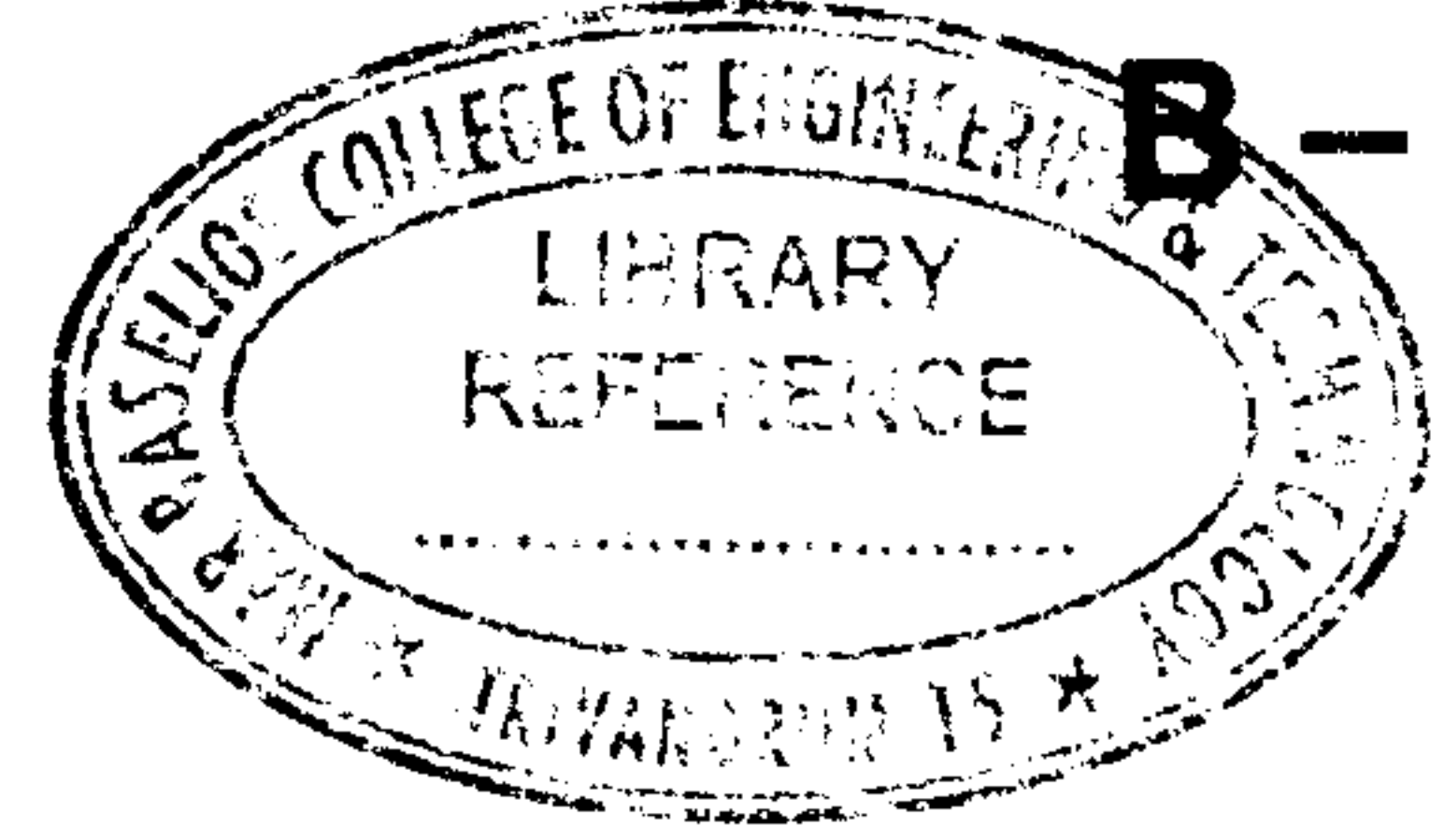




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**B - 5564**

Reg. No. : .....

Name : .....

**Sixth Semester B.Tech. Degree Examination, May 2017  
(2008 Scheme)**

**08.604 : INDUSTRIAL ENGINEERING AND MANAGEMENT (E)**

Time : 3 Hours

Max. Marks : 100

*Instructions : Answer **all** questions from Part – A and **any one full** question **each** from Module – I, II and III of Part – B.*

**PART – A**

**(10×4=40 Marks)**

1. Define :
  - a) Scientific management and
  - b) Industrial engineering.
2. Discuss the structure of a public limited company.
3. Explain the concept and importances of 'working capital'.
4. What are the inputs for a break-even analysis ? What outcomes does it provide ?
5. Classify the factors affecting selection of facility location.
6. Explain any two major principles in selecting material handling equipments.
7. Define the terms :
  - a) Standard time and
  - b) Standard worker.
8. Discuss a suitable chart for defective items in a sample.
9. Explain any four uses of ABC classification.
10. Draw a neat curve of product life cycle.

P.T.O.



## PART – B

(3x20=60 Marks)

**Module – I**

11. a) Classify the functions of management. Explain any two functions of management with examples. 10  
b) Explain the evolution of scientific management. 10
12. a) Discuss any two methods of calculating depreciation with suitable numerical examples. 10  
b) What are the importances of working capital ? Explain working capital cycle. How do it influence the existence of a firm's activities ? 10

**Module – II**

13. a) Discuss the subjective and objective factors in site selection and bring about their significance. 10  
b) What are the principles of motion economy applied to use of human body ? 10
14. a) What types of allowances are provided to industrial workers ? What portion of standard time does allowances contribute ? 10  
b) Explain systematic layout planning and the steps involved. 10

**Module – III**

15. a) Discuss the different provisions for eliminating fatigue. 10  
b) Explain collective bargain. How do disputes are solved ? 10
16. a) Discuss the role of quality circles in implementing TQM. 10  
b) Explain the terms along with their applications : 10  
i) Market segmentation, and  
ii) Marketing mix.
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