

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 4087

Roll No.

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B.Tech**(SEM V) ODD SEMESTER THEORY EXAMINATION 2009-10
MATERIALS MANAGEMENT**

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

- 1 Attempt any four parts of the following : $5 \times 4 = 20$
- (a) List the guiding principles of materials handling.
 - (b) Explain the basic principles of plant layout.
 - (c) Discuss the role of automated guided vehicles and conveyor system in materials handling.
 - (d) Define materials management and state its objectives.
 - (e) Define material transport system and discuss its advantages in brief.
 - (f) Explain cost reduction and value improvement.
- 2 Attempt any four parts of the following : $5 \times 4 = 20$
- (a) What are the functions of purchase organisation ?
 - (b) Explain briefly the method of value analysis.
 - (c) What are the objects of value analysis ?
 - (d) Explain various types of tenders.
 - (e) Discuss 'Price Analysis'.
 - (f) Describe negotiations and purchase.



- 3 Attempt any **two** parts of the following : $10 \times 2 = 20$
- (a) Explain the factors which effect the selection of a forecasting method.
 - (b) Explain in brief basic concepts of material requirement planning.
 - (c) Describe Lot sizing and acceptance sampling.
- 4 Attempt any **two** parts of the following : $10 \times 2 = 20$
- (a) Describe ABC analysis and compare it by VED analysis.
 - (b) Explain the steps in implementing JIT.
 - (c) Explain how the standard order quantity is determined and indicate how it helps in inventory control.
- 5 Attempt any **two** parts of the following : $10 \times 2 = 20$
- (a) Describe the functions of stores.
 - (b) Explain the following :
 - (i) Storage location strategies
 - (ii) Analysis of storage system
 - (c) What is optional stocking ? Explain the method of issue of materials.
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