

**B.Tech. Civil (Construction Management)**

**Term-End Examination**

00103

June, 2018

**ET-581(B) : INVENTORY AND STORES  
MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Attempt any ten questions, five each from Part A  
and Part B. Assume any missing data suitably.*

**Part A**

*Attempt any five questions :*

1. What do you understand by inventory control ?  
Explain the purpose of maintaining inventory in  
any construction project. 7
2. List different methods of inventory control.  
Describe any one of them in detail with  
examples. 7
3. Explain the following in detail :  $2 \times 3 \frac{1}{2} = 7$ 
  - (a) Safety Stock
  - (b) Bill of Material

4. The demand for an item, each costing ₹ 1, is 20,000 units per year. The ordering cost is ₹ 10. Inventory carrying charge is 20% based on the average inventory per year. Stock-out cost is ₹ 5 per unit of shortage incurred. Determine : 7
- (a) Economic Order Quantity
  - (b) Number of orders per year
  - (c) Total Variable Cost
5. Explain with examples, the objectives and functions of a procurement department. 7
6. What are the advantages one visualises in listing the suppliers ? Discuss. 7
7. Discuss the responsibilities of a procurement manager in any construction organisation. 7

### **Part B**

*Attempt any five questions :*

8. Explain the advantages and disadvantages of a central store. 7
9. What is store efficiency ? How do you measure the store's efficiency ? Explain with examples. 7
10. What do you understand about classification and codification ? Discuss the advantages of a good coding system ? 7

11. What does one understand by inspection plans ?  
How do we decide the nature and amount of  
inspection in respect of a received item ? 7
  12. What are sampling inspection plans ? How are  
they classified ? 7
  13. What are the main factors that cause damage to  
stored materials ? 7
  14. What is the importance of floor area in stores ?  
What precautions would one adopt for fire  
prevention in the store ? 7
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