Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **18MS3042** | **Duration :** | **3hrs** |
| **Sub. Name :** | **WAREHOUSE AND DISTRIBUTION FACILITIES MANAGEMENT** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Explain the types of warehouses and discuss the various factors determining location of warehouse. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Write short notes: | CO1 |  |
| a. | Warehouse inbound operations. | 10 |
| b. | Warehouse outbound operations. | 10 |
|  |  |  |  |  |
| 3. | a. | Outline the different types of Inventory. | CO1 | 12 |
| b. | Discuss the different operating models of handling inventory. | CO3 | 8 |
| (OR) | | | | |
| 4. | a. | How will you determine the basic system structure for a warehouse? | CO2 | 12 |
| b. | Illustrate the Warehouse activity profiling process. | CO3 | 8 |
|  |  |  |  |  |
| 5. |  | Demonstrate the Warehouse design structure created by Yoon and Sharp. | CO3 | 20 |
| (OR) | | | | |
| 6. |  | Explain the Strategic and tactical consideration for the Global Warehousing operations. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Discuss the salient features of Warehouse Operations in terms of handling Fast Moving Consumer Goods (FMCG). | CO3 | 20 |
| (OR) | | | | |
| 8. |  | Interpret the packing types and the materials used for packing different types of cargos. | CO3 | 20 |
|  | |  |  |  |
| 9. | | **Compulsory**:  Harman Sound system manufactures and sells stereo and compact disk (CD) sound systems in both console and component styles. All parts of the sound systems with the exception of the speakers are produced in the Chennai plant. Speakers used in the assembly are purchased from XYZ company. John, purchasing agent for Harman sound system, submits a purchase requisition for the speakers once every four weeks. The company’s annual requirements total 5,000 units (20 per working day), and the cost per unit is Rs. 600. Associated with the purchase of each shipment are procurement costs. These costs, which amount to Rs. 200 per order, include the costs of preparing the requisition inspecting and storing the delivered goods, updating inventory records, and issuing a voucher and cheque for payment. In addition to procurement costs, ABC sound systems incurs inventory carrying costs, which include insurance, storage, handling, taxes and so on these costs equal Rs. 60 per unit per year.  Beginning in August of this year, management of ABC sound system will embark on a company wide cost control programme in an attempt to improve its profits. One of the areas to be scrutinized closely for possible cost savings is inventory procurement. | CO3 |  |
|  | a. | Compute the optimal order quantity. |  | 10 |
| b. | Compute the cost savings that the company will realize if it implements the optimal inventory decisions. |  | 10 |