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

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

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| **Code :** | **14FP2017** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SUPPLY CHAIN 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. | a. | List the various contributors to the supply chain management system and explain their specific role in the supply chain with suitable examples. | CO1 | 10 |
| b. | A customer purchases a book from a local bookstore. Discuss the supply chain involved in this purchase. Identify the cycles in this supply chain and the location of the push/pull boundary. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Analyze the stages of a supply chain management system. | CO2 | 10 |
| b. | Contribute arguments in favor of the following statement :  “*Wal-Mart has achieved very good strategic fit between its competitive and supply chain strategies*”. | CO1 | 10 |
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| 3. | a. | Paraphrase the Lean Management System with special emphasis on the 7 types of wastes that needs to be avoided in a supply chain system. | CO2 | 10 |
| b. | Explain the DMAIC methodology in Six Sigma using a suitable example | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | Discuss the characteristics of the Agile Management System and its contribution in a supply chain management system. | CO2 | 10 |
| b. | Describe the types of Transportation System w.r.t supply chain management. | CO3 | 10 |
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| 5. | a. | Develop a framework for making network design decisions. | CO2 | 10 |
| b. | Elaborate the contribution of facility location and capacity allocation in network design. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Discuss the major applications of supply chain IT and the processes that they enable. | CO1 | 10 |
| b. | Explain the role of supply chain matrices in an organization. | CO3 | 10 |
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| 7. | a. | Elaborate the concept of logistics and the difference between EID and JIT Logistics. | CO2 | 10 |
| b. | Explain the terms sustainable production and sustainable processing with reference to food supply chain. | CO3 | 10 |
| (OR) | | | | |
| 8. | a. | Discuss the disadvantages of thirdparty outsourcing. | CO1 | 10 |
| b. | Discuss the steps involved in “Life-cycle Sustainability Assessment” methodologies. | CO1 | 10 |
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|  | | **Compulsory**: |  |  |
| 9. | a. | Describe how e-business have affected the design of distribution networks in industries. | CO1 | 10 |
| b. | Explain the contribution of planning, forecasting and replenishment in supply chain system with suitable examples. | CO3 | 10 |