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



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **17BB2017** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRODUCTION AND MATERIALS 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. | Describe the production systems used in a manufacturing concern and also provide suitable examples. | CO1 | 10 |
| b. | Discuss the need and scope of Operations Management. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Elucidate the elements of Operations strategy and Competitiveness. | CO1 | 8 |
| b. | Distinguish between goods and services. | CO1 | 5 |
| c. | Brief about the systems view of Operations Management. |  | 7 |
|  |  |  |  |  |
| 3. | a. | Discuss the steps followed in demand forecasting of materials. | CO2 | 8 |
| b. | Elucidate the various demand forecasting methods used in predicting the business requirements. | CO2 | 12 |
| **(OR)** | | | | |
| 4. | a. | Elucidate the any three layout approach- models used for selecting the best plant location. | CO2 | 10 |
| b. | Discuss the following i) Material requirement Planning system and ii) Facilities requirement. | CO2 | 10 |
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| 5. | a. | Elaborate the factors influencing selection of a plant layout. | CO3 | 10 |
| b. | Explain the following with help of suitable diagrams i) product layout and ii) Process Layout. | CO3 | 10 |
| **(OR)** | | | | |
| 6. | a. | Describe at least five functions of Materials Management. | CO3 | 10 |
| b. | Brief about the following i) Bill of Material (BOM) ii) VED analysis. | CO3 | 10 |
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| 7. | a. | Describe the various inventory control techniques used in a manufacturing concern. | CO4 | 10 |
| b. | Discuss the following i) Buffer inventory and ii) Safety stock. | CO4 | 5 |
| c. | Give a brief note on the benefits of Total Quality Management to a business organization. | CO4 | 5 |
| **(OR)** | | | | |
| 8. | a. | Discuss the need and method adopted by an organization to rate its vendors. | CO5 | 10 |
| b. | Write a note on i) Economic Order Quanity and ii) Reorder level. | CO5 | 5 |
| c. | Comment on the need for Quality Assurance in an organization. | CO5 | 5 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Elucidate the steps in a product design process for a product of your choice. | CO6 | 10 |
| b. | Provide a detailed note on need and scope of the Stores Management for a service organization. | CO6 | 10 |