**LECTURE PLAN OF INDUSTRIAL MANAGEMENT**

**Class: B. Tech. 3rd Year Subject Teacher: Mr. Pradeep Kr. Singh**

**Subject Code: RAS-601**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit** | **LectureNo.** | **Topic to be taught** | **Remarks** |
| **UNIT-I** | **1** | **1.1 Introduction:** Conceptof Industrial Management |  |
| **2** | 1.2Application andScope of Industrial Management |  |
| **3** | **1.3Productivity:** Definitionof Productivity  |  |
| **4** | 1.4 Measurement of Productivity  |  |
| **5** | 1.5 Productivity Index  |  |
| **6** | 1.6 Types of Production System  |  |
| **7** | 1.7 Industrial Ownership  |  |
| **UNIT-II** | **8** | **2.1 Management Functions** |  |
| **9** | 2.2 Scientific management |  |
| **10** | 2.3 Fayol’s principles of management |  |
| **11** | 2.4 Social responsibility of management |  |
| **12** | 2.5 HRM |  |
| **13** | 2.6 Function and importance of HRM |  |
| **UNIT-III** | **14** | **3.1 Work study** |  |
| **15** | 3.2 Method study  |  |
| **16** | 3.3 Stop watch method, allowances |  |
| **17** | 3.4 Standard time calculation |  |
| **18** | 3.5 Production planning and control |  |
| **19** | 3.6 Production planning and control |  |
| **20** | 3.7 Inventory cost |  |
| **21** | 3.8 EOQ model |  |
| **22** | 3.9 ABC,VED Analysis |  |
| **UNIT-IV** | **23** | **4.1 Quality control** |  |
| **24** | 4.2 SQC |  |
| **25** | 4.3 Control chart for variables |  |
| **26** | 4.4 Control Charts for attributes |  |
| **27** | 4.5 Single, Double and Sequential Sampling  |  |
| **28** | 4.5 Single, Double and Sequential Sampling  |  |
| **29** | 4.6 Introduction to TQM  |  |
| **UNIT- V** | **30** | 5.1 Project management |  |
| **31** | 5.2 Project network analysis |  |
| **32** | 5.3 CPM |  |
| **33** | 5.4 PERT |  |
| **34** | 5.5 Project crashing |  |
| **35** | 5.6 Resource leveling |  |