

**6601**  
**BOARD DIPLOMA EXAMINATION**  
**JUNE - 2019**  
**DIPLOMA IN AUTOMOBILE ENGINEERING**  
**INDUSTRIAL MANAGEMENT & SMART TECHNOLOGIES**  
**FIFTH SEMESTER EXAMINATION**

**Time: 3 Hours**

**Total Marks: 80**

**PART - A (3m x 10 = 30m)**

*Note 1: Answer all questions and each question carries 3 marks*

*2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences*

1. **List out levels of Management**
2. State the behavioral theory of leadership?
3. **State the functions of Routing**
4. Define safety stock, Reorder level
5. **List out the different types of maintenance.**
6. **What is meant by Zero defect.**
7. List out ISO 9000 series
8. **List out any six beneficiary organizations of ISO 9000.**
9. **List out the components of IoT**
10. **State the features of smart building**

**PART - B (10m x 5 = 50m)**

*Note 1: Answer any five questions and each carries 10 marks*

*2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer*

11. **Explain the principles of scientific management.**
  12. **Explain Line organization structure.**
  13. **Explain Break–Even analysis using graphical illustration.**
  - 14A. **Explain partnership ownership business.**
- \* B. **Explain route and operation sheet**

15. **Explain various purchasing procedures?**
16. **Explain the causes of industrial accidents in industry**
17. **Explain the role of SSI, MSME, DICs in the support of the Entrepreneurs.**
18. **Describe the working of smart energy and smart grid**

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