C16-**A/AEI/CHST/CM/ECE/EEE**

/GT/IT/M/PCT/PET/RAC-501

MET/CH/CHOT/CHPC/CHPP-701

6601

BOARD DIPLOMA EXAMINATIONS

OCT/NOV-2019

DAE – FIFTH SEMESTER

INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGIES

Time: 3 hours Max. Marks: 80

PART – A **3 X 10 = 30**

Instructions: *1. Answer **all** questions.*
*2. Each question carries **Three** Marks.*
3. Answer should be brief and straight to the point and should not exceed Five simple sentences.

1. List out functions of management?
2. What is motivation? Mention few important theories of motivation.
3. List out the objectives of production planning and control.
4. Define the term "Inventory Control".
5. List out the cause of accidents in an industry.
6. What are the expectations of an entrepreneur?
7. Define the term quality management.
8. State the features of ISO 9000.
9. Define the term IoT and its uses.
10. List out the various IoT applications.

cont..,

PART – B 5 X 10 = 50

Instructions: *1. Answer any **Five** questions*
*2. Each question carries **TEN** Marks.*
3. Answer should be comprehensive and Criteria for Valuation is the content but not the length of the answer.

11. Explain principles of management stated by Henry Foyal.

12. Explain about job analysis.

13. a) List out various departments that exist in large scale industry.

    b) Explain "Break even analysis" as referred to industry.

14. A project has nine activities. The expected time of each activity is as follows.

Activity	1-2	1-3	2-4	2-5	3-5	3-6	4-7	5-7	6-7
Expected time in days	6	4	8	5	9	4	1	5	2

    (a) Draw the project network.
    (b) Identify the critical path.
    (c) Find the project duration.

15. Explain various records used in stores.

16. Write classification of solid wastes.

17. Explain different types of self-employment schemes.

18. Explain the smart energy and smart grid with a neat sketch.