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C16-A/AEI/CHST/CM/ECE/EEE
/GT/IT/M/PCT/PET/RAC-501/MET/CH/CHOT/PC/PP-701

6601

BOARD DIPLOMA EXAMINATIONS

SEPTEMBER/OCTOBER-2020

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. Write the functions of Management.
2. State the advantages of sole proprietorship.
3. Write any three differences between CPM and PERT.
4. State the duties of store keeper.
5. List out the causes of accidents in an industry.
6. List out the characteristic of success full entrepreneur.
7. State the features of ISO 9000.
8. Define Total Quality Management.
9. Write the uses of smart technologies in modern day life systems.
10. What is smart grid?

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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 the principles of scientific management.
12. Explain Joint stock companies and write its advantages and disadvantages.
13. A Project has the following activities, the expected time of each activity is given below:

Activity	1-2	1-3	1-4	2-5	3-5	3-6	4-6	5-7	6-7
Expected time in days	5	4	7	6	10	7	8	5	6

- (a) Draw the project network.
 - (b) Identify the critical path.
 - (c) Find the project duration.
14. (a) State the advantages and disadvantages of line and staff organization.
(b) State the factors influencing the site selection for a plant location.
 15. Explain ABC analysis in inventory control with a graph.
 16. Explain the principle of 5s for good house keeping.
 17. Explain the procedure of preparing the feasibility study report.
 18. Explain the key features of IoT.