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?

[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 the principles of scientific management.

12. Explain Joint stock companies and write its advantages and disadvantages.

13. A Project has the following actives, 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 ABNC analysis in inventory control with a graph.

16. Explain the principle of 5s for good hose keeping.

17. Explain the procedure of preparing the feasibility study report.

18. Explain the key features of IoT.

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C16–A/AEI/CHST/CM/ECE/
EEE/GT/IT/M/PCT/PET/
RAC–501

6601

BOARD DIPLOMA EXAMINATION, (C–16)

NOVEMBER—2020

DAE—FIFTH SEMESTER EXAMINATION

INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGIES

Time : 3 hours] [*Total Marks* : 80

PART—A 3×10=30

Instructions **:** (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define the terms industry, commerce and business.

2. List out any six advantages of sole proprietorship.

3. State the need of planning with its advantages.

4. Define safety stock.

5. List out different hazards in industries.

6. What is a self-employment scheme?

7. State the principles of quality assurance.

8. Define the term quality control.

9. List the advantages of IoT.

10. What is a smart city?

PART—B

10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain the principles of scientific management.

12. Define motivation and explain Maslow's hierarchy of needs theory.

13. Explain break even analysis with aid of chart.

14. *(a)* State the advantages and disadvantages of joint stock company.

(b) Define the terms routing and dispatching.

15. Explain ABC analysis in inventory control with a graph.

16. Explain the 5s principles for good housekeeping.

17. Explain market survey and demand survey.

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

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