



**C20-GT-502**

**7652**

**BOARD DIPLOMA EXAMINATION, (C-20)**

**OCTOBER/NOVEMBER—2023**

**DGT – FIFTH SEMESTER EXAMINATION**

**INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGY**

*Time : 3 Hours ]*

*[ Total Marks : 80*

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**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. Write any three functions of management.
2. What are the various managerial skills?
3. Define Leadership.
4. What are the advantages of planning?
5. Define the term 'Economic Order'.
6. What is 5s principle?
7. Define plant layout.
8. State the benefits of ISO 9000.
9. List the components of IoT.
10. State the applications of IoT social networking.

**PART—B**

8×5=40

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **eight** marks.  
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

**11.** (a) Explain the stages in production, planning and dispatching.

**(OR)**

(b) A project has nine activities. The expected time of each activity is given below :

- (i) Draw project network  
(ii) Identify the critical path  
(iii) Find out the project duration

Activity	1-2	1-3	2-4	3-4	4-6	5-6	3-5	5-7	6-7
Expected Time (days)	5	8	7	12	3	5	7	10	11

**12.** (a) Explain ABC analysis with sketch.

**(OR)**

(b) Explain the different types of stores.

**13.** (a) Explain any four objectives of maintenance management.

**(OR)**

(b) Explain the safety at work place.

**14.** (a) Explain the details of self-employment schemes.

**(OR)**

(b) Explain the uses of EDP Programme.

15. (a) Explain the componets of IoT.

(OR)

(b) Explain the key features of IoT.

**PART—C**

10×1=10

**Instructions :** (1) Answer the following question.  
(2) The question carries **ten** marks.  
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. Explain the line and staff organisation with the aid of sketch. State its advantages and disadvantages.

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