



C20-GT-403

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BOARD DIPLOMA EXAMINATION, (C-20)
OCTOBER/NOVEMBER—2023
DGT – FOURTH SEMESTER EXAMINATION
INDUSTRIAL ENGINEERING

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 term productivity.
2. List the elements required for production in garment industry.
3. State the objectives of industrial engineering.
4. State the main activities of apparel engineering.
5. Define the term method analysis.
6. Write the symbols used in process chart in method analysis.
7. State the objectives of layout.
8. State the purpose of work measurement.
9. Define the term operation bulletin.
10. State the use of daily production report in line balancing.

- 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) Distinguish between tailoring vs garment units on technical aspects.

(OR)

(b) Explain the benefits of increased productivity from management, workers and consumers point of view.

12. (a) Explain the benefits of work study.

(OR)

(b) Describe in detail about the techniques used in apparel engineering.

13. (a) Explain about the recording method in method analysis.

(OR)

(b) Describe about the flow process chart in method analysis.

14. (a) Explain about the principles related to the use of human body in motion economics.

(OR)

(b) Describe about the principles related to the arrangement of work place.

15. (a) Explain the activities which are used to manage WIP (Work-in-progress).

(OR)

(b) Describe in detail about the steps taken to balance the line.

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. What inferences do you make about the steps involved in making time study?

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