



C14-M-403

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BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
DME—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. What are the objectives of method study?
2. State any three advantages of work study.
3. Write the uses of standard data.
4. Define method time measurement technique.
5. What is job evaluation? List out the techniques of job evaluation.
6. Write any three objectives of merit ranking.
7. What are wages? List out any two methods of wage payments.
8. Define fair wages and minimum wages.
9. What are first piece inspection and functional inspection?
10. Differentiate between single and double sampling plans used in quality control.

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PART—B

10×5=50

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

- 11.** Describe the role of work study in increasing industrial productivity.
- 12.** Describe the procedure for method study.
- 13.** Define work sampling. Explain the advantages and disadvantages of work sampling.
- 14.** Explain ranking method. State its advantages and disadvantages.
- 15.** Explain Rowan plan. State its advantages and disadvantages.
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- 16.** Draw a neat sketch of an OC curve and indicate the salient points on the curve. Explain its different regions.
- 17.** Explain centralized inspection system. Discuss the advantages and disadvantages.
- 18.** (a) Define PMTS. Write the procedure to collect PMTS data.
(b) Write any five advantages of time or day rate system.
