

29/5/19 (m)

Roll No.

24359

B. Tech. 6th Semester (ME)

Examination – May, 2019

INDUSTRIAL ENGG.

Paper : ME-312-F

Time : Three Hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Section. Question No. 1 is *compulsory*. All questions carry equal marks.

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| 1. (a) What is work sampling ? | 5 |
| (b) Define the VED ? | 5 |
| (c) What is master production schedule ? | 5 |
| (d) What is the role of Ergonomics in product design ? | 5 |

SECTION – A

2. (a) What are different techniques of method study ? 10
(b) What are various incentive payment schemes ? 10
3. (a) Explain the behavioural aspects in detail. 10
(b) Explain the various factors effecting the productivity. 10

SECTION – B

4. Write short notes on the following : 20
(i) EOQ
(ii) ABC
5. (a) Explain the cost variance analysis. 10
(b) What is fixed and variable cost ? 10

SECTION – C

6. (a) Discuss the concept of AQQL. 10
(b) Discuss the various decision options. 10

7. Explain the following : 20

- (i) SQC
(ii) Johnson algorithm for n-jobs.

SECTION – D

8. (a) What is the role of MIS in decision making ? 10
(b) What is product life cycle ? 10
9. Write short notes on the following : 20
(i) Role of 3 S's
(ii) Value Engineering.