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Roll No

ME-6001-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Industrial Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Write about production planning. What are the requirements of production planning? Explain the different stages.
b) What is Gantt chart? Explain in brief.
2. a) What is inventory? Why inventory are needed? What is the function of inventory?
b) A item is produced at the rate of 50 per day. The expected rate of demand is 25 items per day. The setup cost of the item is Rs. 100 per run while the holding cost is Rs. 0.01 per item per day. Determine the economic lot size.
3. a) What is the function of job evaluation? Explain the various methods of job evaluation?
b) Explain and discuss the need of industrial legislation.
4. a) Explain the basic procedure of method study.
b) What are the purposes of work sampling and what precaution should be taken in work sampling?

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5. a) Explain the different factors affecting the plant site selection.
b) Explain in brief the different types of plant layout with relevance of each type.
6. a) Explain in brief the application of CPM and PERT techniques.
b) What is control chart? Explain in brief.
7. a) Explain the different devices used in work sampling.
b) Discuss the features of good material handling systems.
8. Write a short note of the following:
 - a) Therbligs
 - b) Statistical quality control
 - c) Line balancing

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