CBCS SCHEME

USN | | | | | | | | | | |

18IP71

Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024
Operations Management

Time: 3 hrs. Max. Marks: 100

Note: ***Answer any FIVE full questions, choosing ONE full question from each module.***

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

VTU EXAMS @ LIBRARY

Module-1

1 a. Explain the Historical Development Briefly. **(10 Marks)**
b. Define Productivity. Explain the factors affecting the productivity. **(10 Marks)**

OR

2 a. Define Decision Making. Explain the characteristics of Decision Making. **(10 Marks)**
b. Explain the framework of Decision Making and Decision Methodology. **(10 Marks)**

Module-2

3 a. Define Forecasting. Explain the objectives and uses of forecasting. **(10 Marks)**
b. Explain Opinion and Judgemental methods briefly. **(10 Marks)**

OR

4 a. Explain the components of Time Series method briefly. **(10 Marks)**
b. Explain the Moving Average and Simple Exponential smoothing methods of forecasting. **(10 Marks)**

Module-3

5 a. Explain the Aggrigate Planning briefly. **(10 Marks)**
b. Explain the Master Scheduling briefly. **(10 Marks)**

OR

6 a. Explain any two strategies used in Aggrigate Planning. **(10 Marks)**
b. Distinguish between Aggrigate Planning and Master Scheduling briefly. **(10 Marks)**

Module-4

7 a. Differentiate between MRP & CRP. **(10 Marks)**
b. Explain the underlying concepts in MRP. **(10 Marks)**

OR

8 a. Define Scheduling. Explain Scheduling Methodology. **(10 Marks)**
b. Explain Priority control and Capacity control. **(10 Marks)**

Module-5

9 a. Explain the Single Machine scheduling concept briefly. **(10 Marks)**
b. Explain the methods of minimizing the number of tardy jobs. **(10 Marks)**

OR

10 a. Explain the Johnson's Rule for 'n' Jobs on 2 and 3 machines. **(10 Marks)**
b. Explain Heuristic procedure briefly. **(10 Marks)**

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