

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Winter Examination – 2022

Course: B. Tech.

Branch : Mechanical

Semester :VII

Subject Code & Name: BTMEC704B Industrial Engineering and Management.

Max Marks: 60

Date:07/02/2023

Duration: 3 Hr.

Instructions to the Students:

- 1. All the questions are compulsory.*
- 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.*
- 3. Use of non-programmable scientific calculators is allowed.*
- 4. Assume suitable data wherever necessary and mention it clearly.*

	(Level/CO)	Marks
Q.1 Solve Any Two of the following.		12
A) Define management. Explain in brief functions of management.	CO1	6
B) What are the aims of Scientific management? Explain any three in detail.	CO1	6
C) Explain the importance of “planning” for higher productivity.	CO4	6
Q.2 Solve Any Two of the following.		12
A) Explain in detail the objectives of Human resource management.	CO1	6
B) What is operation scheduling? Explain forward scheduling in detail.	CO3	6
C) Why preventive control is recommended over direct (Overall) control?	CO3	6
Q.3 Solve Any Two of the following.		12
A) Explain in brief Flexible manufacturing system.	CO2	6
B) Write a note on operation planning and control.	CO1	6
C) What are the Characteristics of Service System?	CO3	6
Q.4 Solve Any Two of the following.		12
A) What is capacity planning? What are the benefits of capacity planning?	CO4	6
B) What are therbligs? Give any five therbligs with symbols.	CO2	6
C) Explain in detail “method study” procedure.	CO1	6
Q.5 Solve Any Two of the following.		12
A) What is ergonomics? Write the principles of ergonomics.	CO1	6
B) Write a note on Just in Time (JIT).	CO1	6
C) List down the various steps in conducting a stop watch time study.	CO1	6

***** End *****