

ANURAG Engineering College
(An Autonomous Institution)

IV B.Tech II Semester Regular/Supplementary Examinations, April – 2024
PRODUCTION PLANNING AND CONTROL
(MECHANICAL ENGINEERING)

Time: 3 Hours

Max. Marks: 75

Section – A (Short Answer type questions)**(25 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. What is Production planning and control?	CO1	L1	2M
2. What is meant by least square method of forecasting?	CO1	L2	3M
3. What are the types of inventory?	CO2	L1	2M
4. What is ABC analysis?	CO2	L1	3M
5. Discuss the various routing sheets.	CO3	L1	2M
6. List the methods of routing.	CO3	L1	3M
7. Define master scheduling.	CO4	L1	2M
8. Write about various charts used in LOB.	CO4	L1	3M
9. Give any two applications of computer assisted PPC	CO5	L1	2M
10. What is meant by centralized system of dispatching?	CO5	L1	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) What are the different types of production systems? Explain their characteristics.	CO1	L2	10M
OR			
B) Discuss the importance of forecasting for production scheduling and how is it conducted with examples?	CO1	L3	10M
12. A) Explain P – System? When it is recommended for controlling inventory?	CO2	L2	10M
OR			
B) What are the advantages and limitations of ABC analysis? Explain them in detail.	CO2	L2	10M
13. A) What are the different operations of Routing? Explain briefly.	CO3	L3	10M
OR			
B) What is meant by Line Balancing? Discuss the different methods of line balancing.	CO3	L2	10M
14. A) How is loading different from scheduling and explain by using a Gantt chart.	CO4	L2	10M
OR			
B) Explain Standard scheduling methods with their advantages and disadvantages.	CO4	L3	10M
15. A) Define 'Expedite' and discuss the importance of expediting an activity.	CO5	L2	10M
OR			
B) Explain the procedure to be followed by workman in securing a job through dispatch system	CO5	L3	10M