C 23471 (Pages : 2) Name..

Reg. No..

SECOND SEMESTER M.B.A. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, JULY 2022

(CUCSS)

M.B.A.

BUS 2C 12—OPERATION MANAGEMENT

(2016 Scheme)

Time : Three Hours   Maximum : 36 Weightage

Part A

*Answer **all** the questions.*
1 weightage to each.

1. What is aggregate planning ?

2. Explain three main components of quality management.

3. Define work study.

4. Why is Material Handling important ?

5. Define capacity planning.

6. A probabilistic estimate of project completion plays a vital role during project management. Give reasons.

(6 × 1 = 6 weightage)

Part B

*Answer any **four** questions from the below questions.*
3 weightage to each.

7. Explain the steps in process planning.

8. What are the advantages of JIT purchasing ?

9. Write short notes on work place design.

10. "Profitability of a company depends to a large extent on the effectiveness of its purchase function". Explain.

11. Explain speculative risk with examples.

12. What is crashing of CPM networks ?

(4 × 3 = 12 weightage)

Turn over

Part C

Answer any **three** *from the following questions.*
4 weightage to each.

13. Describe in detail about any two qualitative type of forecasting with their advantages and disadvantages.

14. Enumerate the basic types of maintenance.

15. A material department has to keep in touch with various departments of a firm to ensure its smooth working. Discuss.

16. Explain the scope of production/operations management.

17. Discuss the objectives and various functions of purchasing.

(3 × 4 = 12 weightage)

Part D

Answer the question below.
6 weightage.

18.

Activity Code	Activity	Immediate predecessor	Activity Duration in days
A	Design the project	-	20
B	Build prototype unit	A	10
C	Perform test on Prototype	B	8
D	Estimate material cost	A	11
E	Refine project design	C,D	7
F	Demonstrate project to customer	E	6
G	Estimate labor cost	D	12
H	Prepare technical proposal	E	13
I	Deliver proposal to customer	G, H, F	5

(a) Draw a Network Diagram for the project.

(b) Identify critical path, critical activity and compute project duration.

(c) Compute slack for each activity.

(1 × 6 = 6 weightage)