C 82134

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Reg. No...............................

SECOND SEMESTER M.B.A. DEGREE EXAMINATION, JUNE 2020

(CUCSS)

MBA

BUS 2C 12—OPERATION MANAGEMENT

(2016 Admission onwards)

Time : Three Hours   Maximum : 36 Weightage

Part A

Answer **all** *the questions.*

1 *weightage to each.*

1. What do you understand by Kaizen ?

2. Define fatigue study.

3. What is line balancing.

4. Explain layout planning.

5. Describe short term scheduling.

6. Define work measurement.

$(6 \times 1 = 6$ weightage)

Part B

Answer any **four** *from the below questions.*

3 *weightage to each.*

7. Explain outsourcing and supply chain strategy.

8. Describe preventive maintenance.

9. Describe the various means of ensuring industrial safety.

10. Explain Total Quality Management.

11. Explain Just-In-Time (JIT) inventory control method.

12. Explain the nature and scope of Production and Operations Management.

$(4 \times 3 = 12$ weightage)

Turn over

Part C

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

13. Discuss the Operations management strategy employed in global environment.

14. Elucidate various techniques of stores management.

15. Explain the process of statistical quality control.

16. Describe break even analysis with the help of a BEP chart.

17. Explain work study. How does it differ from method study.

$(3 \times 4 = 12$ weightage)

Part D

Answer the **compulsory** *question below.*
(6 weightage)

18. Consider the following data of a project

Activity	Predecessor(s)	a	b	c
A	—	1	2	3
B	—	2	2	8
C	A	6	7	8
D	B	1	2	3
E	A	1	4	7
F	C, D	1	5	9
G	C, D, E	1	2	3
H	F	1	2	9

Duration (weeks)

(a) Construct the project network diagram.

(b) Find the expected duration and variance of each activity.

(c) Find the critical path and the expected project completion time.

(d) What is the probability of completing the project on or before 20 weeks ?

(e) If the probability of completing the project is 0.8, find the expected project completion time.

(6 weightage)