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MBAS 455

Second Semester M.B.A. Degree Examination, May/June 2017

BUSINESS ADMINISTRATION

Production and Operations Management

Time : 3 Hours

Max. Marks : 70

SECTION – A
(Compulsory)

Sri Dharmasahala Manjunatheshwara
College of Business Management, Mangalore
Post Graduate Centre for Management
Studies and Research Library

(1×15=15)

Note : Answer to the question should **not** exceed **six** pages.

1. Explain the concept of Total Quality Management and the chief requirements for the successful working of total quality management programme in a business firm.

SECTION – B

(5×8=40)

Note : Answer **any five** of the following questions. **Each** question carries **8** marks.

Answer to the question should **not** exceed **five** pages.

2. Explain the importance of production planning and control.
3. Enumerate the importance of location decisions.
4. Explain the objectives of Ideal Plant Layout.
5. What is TQM ? Briefly explain the steps necessary to implement TQM.
6. Explain the benefits of JIT and what are its prerequisites for its successful implantation.

P.T.O.



7. Consider the following assembly network relationship of a product. The number of shifts per day is three and the number of working hours per shift is 8. The company aims to produce 60 units of the product per day. Group the activities into work stations and compute Balancing Efficiency.

Operation No.	Immediate Preceding tasks	Duration (Min)
1	-	8
2	1	12
3	1	15
4	2	10
5	2	14
6	2	9
7	3	11
8	3	16
9	3	20
10	4, 5	8
11	6, 7	13
12	7, 8, 9	17
13	10, 11	6
14	11, 12	5
15	13, 14	12

- 8. Explain the importance and uses of computers in production management.
- 9. Discuss the nature and importance of inventory for a manufacturing organization.

SECTION – C
(Compulsory)

(1×15=15)

Note : Answer to the questions should **not** exceed **six** pages.

10. Find out the optimal schedule for the flow shop problem and determine the corresponding makespan.

Jobs	Machine		
	M1	M2	M3
J1	10	15	23
J2	8	10	7
J3	12	7	10
J4	15	20	6