

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2015/2016

OPERATIONS MANAGEMENT
(Aeronautical Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain Taylor's scientific management theory.
(b) Explain Douglas McGregor's theory X and theory Y.
- 2 Discuss about the following types of organizations:
(a) Line organization.
(b) Matrix organization.
- 3 (a) What is meant by plant layout? Explain the principles of plant layout.
(b) Mention the types of plant layout. Briefly describe each type.
- 4 From the following data, draw an ABC analysis graph after classifying A, B & C class items.

Item	Unit price	Annual consumption(units)
1	200	3000
2	2	60000
3	500	20
4	12.5	200
5	9	350
6	25	6000
7	1000	40
8	70	300

- 5 (a) Define personal management. Analyze how it continues to be an integral part of the organization.
(b) Discuss the importance of HRD.
- 6 Draw a PERT network for the following project:
A is the first event and J the end event
J is successor event to F
C and D are successor event to B
D is a predecessor event to G
E and F occurs after event C
E precedes F
C restrains the occurrences of G and precedes H
H follows F
H precedes J.
- 7 Identify and discuss the stages in the strategy formulation and implementation. Explain in detail with an illustration.
- 8 Explain the following in detail:
(a) Performance management.
(b) Business process outsourcing.