

Government College of Engineering, Aurangabad
(An autonomous Institute of Government of Maharashtra)
M.E. (Production) FT & PT (REV), Examination
End Semester Examination Nov/Dec 2016
ME578: MODERN MANAGEMENT SYSTEMS

Time : Three Hours

2 DEC 2016

Max.Marks:60

“Verify the course Code and check whether you have got the correct question paper”

N.B.

- 1.All questions are compulsory.
- 2.Figures to the right indicate full marks.
- 3.Assume suitable data if necessary and state it clearly.
- 4.Use of non-programmable calculators is allowed.

Q.1. Attempt any two. (12)

- 1) Describe the concept of Quality certification.
- 2) Describe all the provisions of ISO 9000.
- 3) Critically analyze giving present day examples pareto and Ishikawa diagram.

Q.2. Attempt any two. (12)

- 1) How is the implementation of JIT done smoothly in Indian context ?
- 2) How will you manage inventory for JIT.
- 3) What is KANBAN system in manufacturing sector ? State its advantages.

Q.3. Attempt any two. (12)

- 1) Explain the Relationship between TPM, Terotechnology and logistics.
- 2) What is Jishu Hozen concept of total productive maintenance ? Explain.
- 3) What do you mean by zero analysis.

Q.4. Attempt any two. (12)

- 1) Explain the traditional verses concurrent approach.
- 2) Explain product life cycle with suitable example and state its benefits.
- 3) Explain in detail application of concurrent engineering in design engineering.

Q.5. Attempt any two. (12)

- 1) What is low cost automation ? Describe its advantages with reason.
- 2) Describe short term capacity planning and control with suitable example.
- 3) Explain the principle and working of co-ordinate measuring machine (CMM).