

Government College of Engineering, Aurangabad

(An autonomous Institute of Government of Maharashtra)

B.E.(Mechanical), Old, Examination

End Semester Examination Nov/ Dec 2016

ME402: Quality Management Systems

Time : Three Hours

15 NOV 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) Explain in brief the concept of normal distribution
- 2) Explain the concept of variation giving examples
- 3) What is the concept of population in relation to Industry

Q.2. Attempt any two.

(12)

- 1) Explain all the different types of sampling plans
- 2) Explain the zone of OC curve Process capability
- 3) What is Acceptance sampling give an industrial example

Q.3. Attempt any two.

(12)

- 1) What do you mean by Total Quality Management
- 2) Explain in detail the Quality Management Tools like : check sheet, pareto diagram,
- 3) What is Quality planning, Give examples

Q.4. Attempt any two.

(12)

- 1) Explain the just in time logistics
- 2) What are the issues in the implementation of JIT manufacturing
- 3) What is Inventory management for JIT

Q.5. Attempt any two.

(12)

- 1) What do you mean by POKAYOKE give examples
- 2) Explain the concept of Business Process Reengineering (BPR) with present day examples
- 3) What is Business process outsourcing (BPO) explain in brief