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Roll No

AU-6005(2)/ME-6005(1)-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)

**Total Quality Management and Statistical
Quality Control**

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Assume suitable data if any.

1. a) Define T.Q.M. State the guiding principle of TQM.
b) Why is an ISO 9000 certified is important to a firm?
Explain.
2. a) Discuss the causes for production of defective item.
b) Discuss the contribution of Edwavel deming in field of quality.
3. a) What is difference between continuous data and discontinuous data and explain the normal distribution curve.
b) Explain the detailed classification of control chart.
4. a) What is need of diagnosis a process? Classify the variable in a product?
b) During the manufacturing of a bolt it has been found that it is.

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5. a) Draw a neat sketch of an OC curve showing its different zones (stages)?
b) How the customers needs can be converted into technical specification of product?
6. a) Explain the importance of team work?
b) How taguchi loss function reduce loss to the society?
7. a) What is brain storming process and why it is required?
b) Explain the various types of sampling plans which are in practice in industry with their respective criteria?
8. a) Discuss the role of statistics in quality control?
b) Why attribute process capability and variable process and capability studies are done?

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