GUJARAT TECHNOLOGICAL UNIVERSITY BF-IVth SEMESTER_EXAMINATION _ MAV/IIINE

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Explain the importance of Quality Management software in Business 07							
What is Attributes And Variables ? Discuss Single Sampling Plan briefly. 07							
Construct a control chart for Mean and Range for following data of 07							

measurement,10 sample of sample size 5 is being taken for consideration. Mention your conclusion for state of control.

Sample no.	1	2	3	4	5	6	7	8	9	10
Measurement	12	12	10	11	10	08	08	08	10	07
	10	08	08	15	08	12	07	07	11	09
	12	10	07	12	09	11	10	11	10	11
	11	10	12	10	06	11	09	10	12	08
	14	09	11	11	07	09	06	11	14	06

Take A2 =0.58, D3=0, and D4=2.11 for n=5

Q.4 (a) Discuss about priorities and development of Quality in Indian Industries. 07

(b) Describe Operating Characteristics Curves (O-C) and explain about 07 Consumer's and Producer's Risk.

OR

- Q.4 (a) What is Quality Control ? Discuss its objectives and advantages.
 - (b) Following observations were taken while inspecting the product, 10 samples 07 of size 100 each is taken,

Sample No.	1	2	3	4	5	6	7	8	9	10
No. of Defects	12	15	20	14	09	20	15	10	09	08

Construct the p – chart and	give your comments.
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Q.5 (a) What is Benchmarking ? Discuss about its types briefly. 07 07

(b) Describe Deming Award for Quality.

OR

- Q.5 (a) What is Service Quality ? Discuss about its types briefly.
 - (b) Write short note on Quality Assurance and Quality Audit. 07 *****

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