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Course: B.Voc, Program: Tool and Die Manufacturing
Subject: Statistical Quality Control, Code: ME-704
Semester: VI

Time: 03 Hours

Max Marks: 35

Instructions to the Students:

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of short answer type. All questions are compulsory. Each question carries One (01) marks.
3. Section B comprises 8 long answer type questions out of which students must attempt any 5. Each question carries Five (05) marks.
4. Do not write anything on the question paper.

Q.No.	SECTION –A(SHORT ANSWER TYPE QUESTIONS)	Marks
1.	a) Define quality control?	(1)
	b) Illustrate frequency.	(1)
	c) Name the control chart used in case of defective in statistical quality control.	(1)
	d) Differentiate between mean and mode.	(1)
	e) Give an example for defect in a product?	(1)
	f) What is meant by statistical quality control?	(1)
	g) List any two statistical quality control tools.	(1)
	h) Statistical quality control helps in detecting which type of variation?	(1)
	i) Illustrate standard deviation.	(1)
	j) Give full form of AOQL and LTPD.	(1)

SECTION –B (LONG ANSWER TYPE QUESTIONS)

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| 2. | Define Quality? Discuss different quality challenges faced by Industry? | (05) |
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3. What do you understand by the term Variation? Explain chance and assignable causes of variation? (05)
4. Discuss the upper and lower control limits in detail? What is the conclusion if an observation falls outside the control limits? (05)
5. What do you understand by the term nonconformities? Explain control charts for nonconformities? (05)
6. Explain single sampling plan and double sampling plan in detail? (05)
7. Discuss acceptance sampling in detail. Give its advantages and disadvantages? (05)
8. Define control chart and discuss its uses? Enlist various types of control charts? (05)
9. Write short note on OC curve? (05)

==END OF PAPER==