	.Sc. DEGREE EXAMINAT	
ç	SIXTH SEMESTER – NOVI	EMBER 2015
ST 6605/ST 6602 - STATISTICAL PROCESS CONTROL		
Date : 26/09/2015 Time : 09:00-12:00	Dept. No.	Max. : 100 Marks
 What is meant by Box Explain frequency distribution When is a Process said Mention any two situat Explain process capabinal Write the purpose of process of process	is very important in today's sce plot? ribution. to be in control? ions in which C – Chart can be lity analysis. rocess capability analysis.	
 Define single sampling Mention the need for A 		
 12. Explain the various print 13. Describe Q-Q plot tech 14. Explain the construction 15. Describe the Statistical 16. Distinguish between CM 17. Write the situations who have a statistical statistical 	nique and write its application. n of 'P' chart.	urt control chart. t likely to be useful.
Answer any TWO questions. 19. (a)State the requiremen (b) Explain "Cost of Pr	PART C nts for successful implementation	(2 x 20 = 40 Marks) on of TQM.
medical leave tak 13 47 1 7 25 8 12 45 1 6 2 1 34 13 4 14 26 1	en by 30 employees. The data c 10 3 16 3 21 19 1 8 4 14 13 7 11 28 50 10 24 36	Ince Company maintains records of yearly ollected by him is as given below:

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- 21. (a) Explain the logic behind the usage of 3 sigma control limits.
 - (b) Write the advantages of variable control charts over attribute control charts.
- 22. (a) Discuss how a CUSUM control chart can be used to detect upward shifts in the process mean.
 - (b) Explain the operating procedure for double sampling plan and multiple sampling plans.

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