

## Parsivanath Charitable Trust's A. IP. SHAH INSTRITUTE OF TEXCHINOLOGY

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)

## PAPER PATTERN OF UNIT TEST -I

## Note the following instructions

- 1. Attempt any two questions of the three (Q.1, Q.2, Q.3)
- 2. Draw neat diagrams wherever necessary.
- 3. Write everything in Black ink (no pencil) only.
- 4. Assume data, if missing, with justification.

Question No.	Questions	Course Outcomes	Marks
Q.1 a	Laplace Transform	CO1	8
	OR		
Q.1 a	Laplace Transform	CO1	8
Q.1 b	Laplace Transform	CO1	6
	OR		
Q.1 b	Laplace Transform	CO1	6
			T
Q.2 a	ILT by using Convolution	CO2	8
	OR		
Q.2 a	ILT by using Convolution	CO2	8
Q.2 b	ILT by using Partial Fraction Method	CO2	6
Q.2 b	ILT by using Shifting Properties	CO2	6

Q.3 a	Karl Pearson Correlation Coefficient OR Rank Correlation coefficient	CO5	6
	OR		
Q.3 a	Regression of Lines	CO5	6
Q.3 b	Curve fitting	CO5	6
	OR		
Q.3 b	Curve fitting	CO5	6