Roll Number: _____   Name: _____

Thapar Institute of Engineering & Technology, Patiala
(Deemed to be University)
Department of Computer Science and Engineering
(EST)

Subject: Test Automation   **Course Code: UCS662**   **Time: 2 Hours**

Instructions: Each question carries 7 Marks. Attempt all questions.

Full Marks: 35   **Name of Faculty: Dr. Manish Kumar**

Q1.	Why highly coupled module is difficult to unit test? What are computational errors commonly found during the unit testing.	**(7)**

Q2.	Discuss and identify the methods to generate test cases based on the following condition:
	    a. A method that can analyse the entire software code to generate test cases.
	    b. A method that consider only the external view of the software to generate test cases.
		(7)

Q3.	Explain the top objective of integration testing. Also, explain its different strategies.	**(7)**
Q4.	Examine the need of system testing in context of software development? What series of tests are performed during system testing.	**(7)**
Q5.	Illustrate how traceability matrix is useful in testing? Further, justify how traceability matrix helps to ensure transparency and completeness of the software testing product.	**(7)**

********************************* All the Best ***