

GYANMANJARI INNOVATIVE UNIVERSITY

GYANMANJARI INSTITUTE OF TECHNOLOGY

B.Tech.-Mid Semester Examination (MSE)- W2026

Enrollment No.: _____

Subject Code: BETCE15322

Subject Name: Software Engineering

Time: 10:30AM to 12:30PM

Date: 26/09/2026

Semester: 5th

Total Marks: 60

Instructions:

1. Question No. 1 is compulsory.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		Marks
Q.1	(a) What is meant by Software and Software Engineering?	05
	(b) Explain User Interface Design Rules.	05
	(c) Explain Extreme Programming (XP) in detail.	10
Q.2	(a) Explain Waterfall Model with appropriate diagram.	05
	(b) Draw Use Case Diagram for Library Management System.	05
	OR	
	(b) Explain project scheduling process using Gantt chart.	05
	(c) Explain Risk Management and RMMM plan.	10
	OR	
	(c) Discuss Cohesion and Coupling in detail.	10
Q.3	(a) Define Agile Process. Give any two Agile principles.	05
	(b) Explain Spiral Model.	05
	(c) Explain Function Oriented Metrics with suitable example.	10
	OR	
Q.3	(a) Explain Functional and Non-Functional Requirements with example.	05
	(b) Explain Scrum with advantages and disadvantages.	05
	(c) Explain COCOMO model for cost estimation.	10

*****Best of Luck*****