

GYANMANJARI INNOVATIVE UNIVERSITY

GYANMANJARI INSTITUTE OF TECHNOLOGY

B.Tech.-Mid Semester Examination (MSE)-W2025

Enrollment No.: _____

Subject Code: BETCE15322

Subject Name: Software Engineering

Time: 2:30 pm TO 4:30 pm

Date: 17/9/2025

Semester: 5

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 Software Engineering? Explain the different phases of software development life cycle.	05
	(b) What are different layers of Software Engineering? Draw and explain it in short.	05
	(c) Draw and explain the different phases of Waterfall Model.	10
Q.2	(a) What is Agile in software development? Explain Agile Principles.	05
	(b) Explain: Adaptive Software development in detail	05
	OR	
	(b) Discuss SCRUM as agile software development process model.	05
	(c) What is use case? Which UML components are shown in use case diagram? Prepare use case diagram for core functionalities of "WhatsApp" application.	10
	OR	
	(c) State and explain the requirements engineering tasks in detail.	10
Q.3	(a) Explain: The W5HH Principle.	05
	(b) What is Cohesion? Explain the various types of cohesion.	05
	(c) What is Code review? Explain types of code review techniques in software engineering.	10
	OR	
Q.3	(a) Describe: FOUR Ps for Project Management.	05
	(b) What is Coupling? Explain different types of Coupling.	05
	(c) Explain: RMMM in detail.	10