

GYANMANJARI INNOVATIVE UNIVERSITY
GYANMANJARI DIPLOMA ENGINEERING COLLEGE
Diploma Engineering --Mid Semester Examination (MSE)-W2025

Enrollment No.: _____

Subject Code: DETCE13206

Subject Name: Fundamental Of Software Engineering

Time: 11:00 A.M to 1:00 P.M

Date:13/09/2025

Semester:3rd

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) Define software and software engineering. સોફ્ટવેર અને સોફ્ટવેર એન્જિનિયરિંગની વ્યાખ્યા આપો.	05
(b) List out application of software engineering. સોફ્ટવેર એન્જિનિયરિંગના ઉપયોગો જણાવો.	05
(c) Explain SDLC life cycle. SDLC (સોફ્ટવેર ડેવલપમેન્ટ લાઇફ સાયકલ) સમજાવો.	10
Q.2 (a) Explain Scrum in detail. Scrum વિગતે સમજાવો.	05
(b) Write characteristics of agile development. Agile ડેવલપમેન્ટના લક્ષણો લખો.	05
OR	
(b) Write principles of agile software development. Agile સોફ્ટવેર ડેવલપમેન્ટના સિદ્ધાંતો લખો.	05
(c) Explain Extreme Programming in detail. Extreme Programming વિષે વિગતે સમજાવો.	10
OR	
(c) Explain prototype model. પ્રોટોટાઇપ મોડેલ સમજાવો.	10
Q.3 (a) Compare Functional and Non Functional requirements. Functional અને Non-Functional Requirement વચ્ચે તફાવત કરો.	05
(b) Explain software design. સોફ્ટવેર ડિઝાઇન સમજાવો.	05
(c) What are umbrella activities? Or explain umbrella activities. Umbrella Activities શું છે? અથવા Umbrella Activities સમજાવો.	10
OR	
Q.3 (a) Write down an SRS on Library Management System. લાઇબ્રેરી મેનેજમેન્ટ સિસ્ટમ માટે SRS તૈયાર કરો.	05
(b) Write down characteristics of SRS. SRS (Software Requirement Specification) ની વિશેષતાઓ લખો.	05
(c) What is requirement gathering activity? Write down activities of requirement gathering. Requirement Gathering Activity શું છે? Requirement Gathering ની Activities લખો.	10