Enroll. No._____

MARWADI UNIVERSITY

Faculty of Technolgy

Information and Communication Technology

B.Tech SEM: 6 **MID-SEM. EXAM: I** **February:2024**

Subject: - Software Engineering-01CT0615 **Date:-26/02/2024**

Total Marks:-30 **Time: - 75 Minutes**

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Do not write/sign/indication/tick mark anything other than Enroll No. at a specific place on the question paper.

Question: 1. [CO1] [6]

(a) Write two different category of UML diagram.
(b) What are the various phases of SDLC?
(c) Full form RAD model.
(d) Which SDLC model is used to iterative development and risk analysis?
(e) When a system needs to be produced in a short span of time (2-3 months) than which SDLC model is used?
(f) Linear sequential model is also known as?

Question: 2.[CO2] [12]

(a) Explain spiral model in details. [6]

(b) What is Requirement Engineering? Explain functional and non-functional requirements. [6]

OR

(b) Enlist characteristic of SRS. Write a SRS for college management system. [6]

Question: 3.[CO3] [12]

(a) Explain Waterfall process model. [8]

(b) Define : Dependency, Generalization, Association, Multiplicity [4]

OR

(a) Explain use case diagram with suitable example. [8]

(b) What is process? Differentiate product and process. [4]

---Best of Luck---

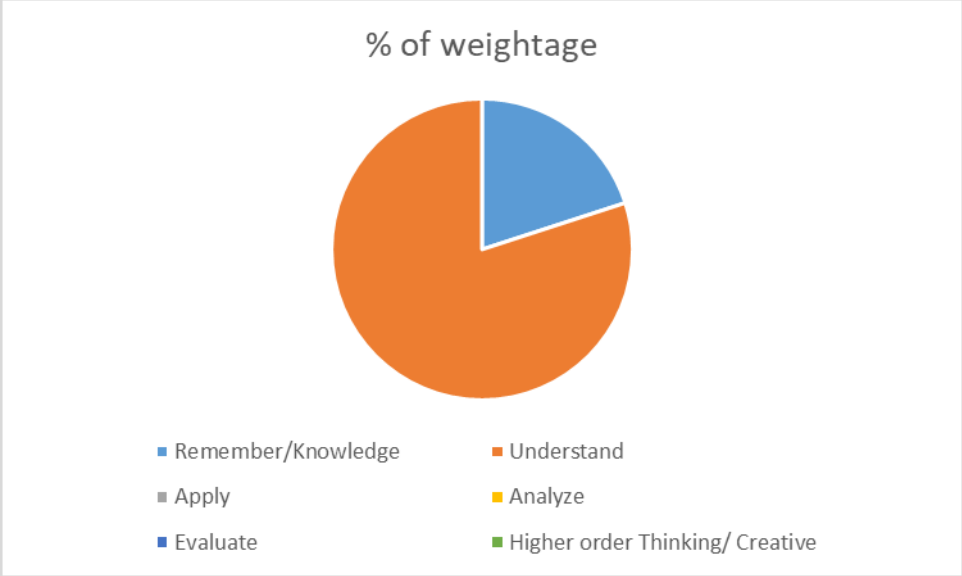
- **Bloom'S Taxonomy Report –**

Sub: Software Engineering-01CT0615
Sem.:- 6th
Branch:- Information and Communication Technology

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge	20%	Q.1	6
Understand	80%	Q.2, Q.3	24
Apply			
Analyze			
Evaluate			
Higher order Thinking/ Creative			

Chart/Graph of Bloom's Taxonomy



Course Outcome Wise Questions

Subject Code	**01CT0615**	Subject	**SOFTWARE ENGINEERING**

CO No.	Course Outcome
CO1	Understand various software engineering principles and their application
	1(A), 2(B), 3(A-Or)
CO2	Demonstrate use of various Agile methodologies for software development
	1(A), 2(A), 2(B-Or), 3(A), 3(B), 3(B-Or)
CO3	Apply various modeling techniques for designing system requirement
CO4	Identify different types of risk and evaluate its impact on software system
CO4	Distinguish different testing strategies and Create test cases
CO6	Able to understand and apply the basic project management practices in real life projects

Blooms Taxonomy	Question List
Remember / Knowledge	1(A), 2(B-Or)
Understand	1(A), 2(A), 2(B), 3(A), 3(A-Or), 3(B), 3(B-Or)
Apply	
Analyze	
Evaluate	
Higher order Thinking / Creative	