MARWADI UNIVERSITY

Faculty of Engineering

SEM:6th(TK1)   MID-SEM. EXAM: I   **March** 2023

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Subject: - Software Engineering (09CT0615)   **Date:- 01/03/2023**

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

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.   [6]

a.   What do you mean by software process model? Enlist all the software process model
b.   Draw waterfall model.
c.   Which process model is used incremental prototyping approach to software development?
d.   Give brief idea of all phase of the software development process in spiral model.
e.   Differentiate Functional Requirements and Non-functional Requirements
f.   Full form of SRS and List out Characteristics of SRS.

Question: 2   [12]

a.   Explain V model along with diagram.   [6]
b   What do you mean by Requirements Prioritization explain with example. Also explain   [6]
     prioritization techniques.
                                           OR
b   Differentiate User Requirements and System Requirements   [6]

Question: 3   [12]

a.   Explain the characteristics of SRS.   [8]
b.   If customer is not clear about his/her requirement then which process model we are   [4]
     going to use? Explain that process model with diagram.
                                           OR
a.   Explain Requirement Elicitation and Analysis also explain Requirement Elicitation   [8]
     Techniques.
b.   If customer is clear about his/her requirement then which process model we are going   [4]
     to use? Explain that process model with diagram.

---Best of Luck---

Sub: Software Engineering
Sem.6th
Branch: ICT

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge	10%	Q-3(a) or Q3(a)	8
Understand	20%	Q-1 a,b,c,d,e,f	1
Apply	10%	Q-3 (b)	4
Analyze	30%	Q-2(a),(b)	6
Evaluate	20%	Q-2(a),(b)	6
Higher order Thinking/ Creative	10%	Q-3(b)	4

Chart/Graph of Bloom's Taxonomy
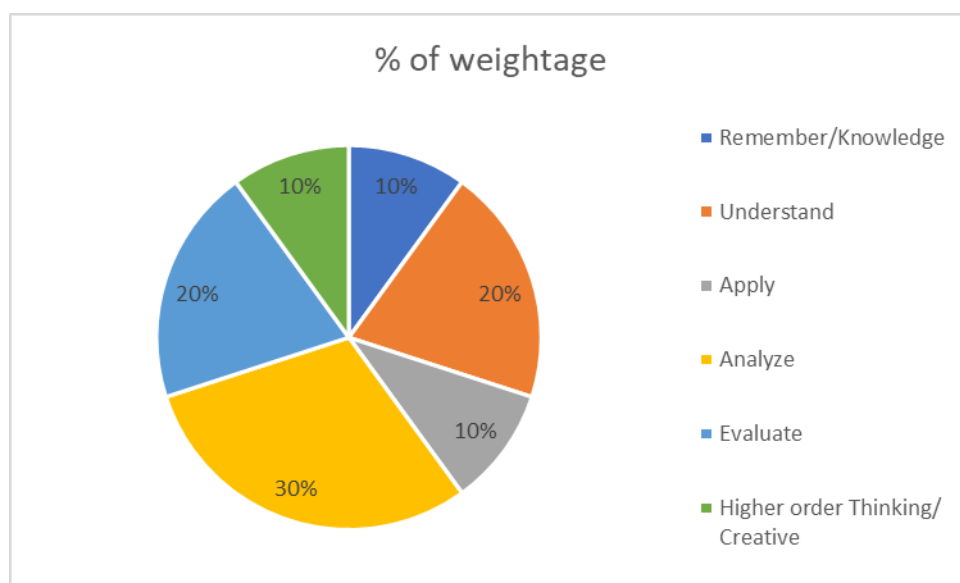
Course Outcome Wise Questions

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

CO No.	Course Outcome
CO1	Understand various software engineering principles and their application
	1(A)
CO2	Demonstrate use of various Agile methodologies for software development
	2(A), 2(B), 2(B-Or)
CO3	Apply various modeling techniques for designing system requirement
	3(A), 3(A-Or), 3(B), 3(B-Or)
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	3(A), 3(A-Or)
Understand	1(A)
Apply	3(B)
Analyze	2(A), 2(B)
Evaluate	2(B-Or)
Higher order Thinking / Creative	3(B-Or)