Re Examination (Synoptic)
January 2020

Max. Marks: 60
Class: FYMCA
Course Code: MCA 12
Subject: Software Engineering

Duration: 3 hr
Semester: I
Date: 4/1/20
Time:10.00 to 1.00 p.m

Instructions: (1) All questions are compulsory.
(2) Draw neat diagrams
(3) Assume any necessary data but justify the same.

Q No.	Questions	Max. Marks	CO-BL-PI
Q.1 (A)	**Identify and elaborate phases of Waterfall Model?** **Diagram [2mks]** **Explanation of phases[4mks]** OR **Identify and elaborate phases of Spiral model ?** Diagram [2mks] Explanation of phases[4mks]	12	1-3-2.1.2
Q.2 (A)	**Which methods will you use to collect requirements from Customer? Elaborate them.** Questionnaire Interview Observation Technique	6	2-3-3.1.2
(B)	**Which Feasibility study focuses on cost aspect of the project?** **Justify your answer with an example.** Economic feasibility[1mk] Explanation with example[5mks]	6	2-3-3.1.2
Q.3	**Differentiate COCOMO and COCOMO II . Discuss Three levels of model and development modes of COCOMO model in detail.** COCOMO and COCOMO II comparison min 4 (4) Three levels with detail (4) development modes (4)	12	3-4-1.3.1

Q.4 (A)	**Distinguish following testing with suitable example:**
	    (a) Unit testing
	    (b) Integration testing
	
	    Differentiate both (2)
	    Unit testing (2)
	    Integration testing (2)
		6	3-4-
			1.3.1

Q.4 (B)	**What is more advisable to Choose - High cohesion of module or high coupling within the modules for software designing?** Cohesion define (1) Coupling define (1) Advantage(2) Example (2) OR **Why to select RMMM for effective planning and strategy.** RMMM define all three (3) Impact on planning , strategy (3)	6	4-4- 1.3.1
Q.5 (A)	**Why it is advisable to choose Refactoring to improve the design of existing code.** Define refactoring (2) How to improve code (2) Show by Example (2)	6	4-4- 1.3.1
Q.5 (B)	**Why QA is recommended in SDLC process?** Define SDLC process (2) QA (2) QA in process impact(2)	6	4-4- 1.3.1