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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.****UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.**

(For those admitted in June 2021 and later)

**PROGRAMME AND BRANCH: B.C.A.**

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
V	PART - III	CORE	U21CA508	SOFTWARE ENGINEERING

**Date & Session: 23.04.2025 /FN****Time : 3 hours****Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer <u>ALL</u> Questions.
CO1	K1	1.	What is Software Engineering? a) designing a software                      b) designing a project c) develop a document                      d) All of these
CO1	K2	2.	Which of the following model uses Feedback paths? a) Iterative Waterfall                      b) Classical Waterfall c) Prototype                      d) Spiral
CO2	K1	3.	Which tool is use for structured designing? a) Program flowchart                      b) Structure chart c) Data-flow diagram                      d) Module
CO2	K2	4.	Function-oriented design techniques start with functional requirements specified in _____. a) SDD                      b) SRS c) SDLC                      d) RAD
CO3	K1	5.	Find the basic Design process. a) Interface Design                      b) Control Design c) Curve Design                      d) Data Design
CO3	K2	6.	Choose the symbol which is used for data store in DFD. a) Circle                      b) Square c) Open Rectangle                      d)Diamond
CO4	K1	7.	The golden rules of User Interface Design are____ a) Place the user in control                      b) Reduce the user's memory load c) Make the interface consistent                      d) None of the mentioned above
CO4	K2	8.	Identify the incorrect testing technique. a) Integration testing                      b) Collaboration testing c) System testing                      d) Unit testing
CO5	K1	9.	Which one is not a software quality model? a) ISO 9000                      b) McCall model c) Boehm model                      d) ISO 9126
CO5	K2	10.	The process of generating analysis and design documents is known as a) Software engineering                      b) Software re-engineering c) Reverse engineering                      d) Re-engineering

Course Outcome	Bloom's K-level	Q. No.	<p align="center"><b>SECTION – B (5 X 5 = 25 Marks)</b>  <b>Answer <u>ALL</u> Questions choosing either (a) or (b)</b></p>
CO1	K3	11a.	Define Software Engineering. Explain the types of Software development projects.
CO1	K3	11b.	(OR) What are the shortcomings of Iterative Waterfall Model?
CO2	K3	12a.	Discover the Responsibilities of the Software developer.
CO2	K3	12b.	(OR) Discuss the Characteristics of a good SRS Document.
CO3	K4	13a.	How to characterize a good Software Design?
CO3	K4	13b.	(OR) Write a short note on structured design.
CO4	K4	14a.	Analyse the characteristics of a good user interface.
CO4	K4	14b.	(OR) Illustrate the coding standards and guidelines.
CO5	K5	15a.	What are the shortcomings of reliability metrics of software product?
CO5	K5	15b.	(OR) Write the importance of Software Reverse Engineering.

Course Outcome	Bloom's K-level	Q. No.	<p align="center"><b>SECTION – C (5 X 8 = 40 Marks)</b>  <b>Answer <u>ALL</u> Questions choosing either (a) or (b)</b></p>
CO1	K3	16a.	Write about the emergence of Software Engineering.
CO1	K3	16b.	(OR) Draw and explain the process of Spiral Model.
CO2	K4	17a.	Briefly discuss about risk management.
CO2	K4	17b.	(OR) How to Identify the Functional Requirements?
CO3	K4	18a.	Determine about overview of the design process.
CO3	K4	18b.	(OR) How to developing the DFD model of a system? Explain any one application.
CO4	K5	19a.	Briefly discuss about types of user interfaces.
CO4	K5	19b.	(OR) Distinguish between Black-Box testing and White-box testing.
CO5	K5	20a.	Explain how ISO 9000 Certificate is important to ensure Software Quality?
CO5	K5	20b.	(OR) Write the Characteristics of Software Maintenance.