Reg. No. | | | | | | | | |

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.Sc., COMPUTER SCIENCE

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
VI	PART -III	CORE	U21CS610	SOFTWARE ENGINEERING

Date & Session: 26.04.2025/FN **Time : 3 hours** **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	**SECTION – A (10 X 1 = 10 Marks)** **Answer ALL Questions.** **Choose the best Answer:**
CO1	K1	1.	Software engineering discusses _____techniques for software development. Choose the best one. a) Systematic & Cost effective b) Schematic c) Semantic & Economical d) Management
CO1	K2	2.	Spiral model determine objectives and identify_____ solutions. a) some b) Alternative c) exact d) None of these
CO2	K1	3.	_____ of a software makes it difficult to assess the progress of a project. a) Invisibility b) changeability c) Complexity d) Uniqueness
CO2	K2	4.	The primary objective of the requirements gathering task is to collect the requirements from the ____. a) Programmers b) Stakeholders c) Managers d) Directors
CO3	K1	5.	The activities carried out during the design phase transform the ___. document into design document. a) SSR b) SAR c) SAS d) SRS
CO3	K2	6.	_____ is a measure of the functional strength of a module. a) Coupling b) independence c) Cohesion d) None of these
CO4	K1	7.	The ____ interface portion of a software product is responsible for all interactions with the users. a) Developer b) User c) Tester d) Programmer
CO4	K2	8.	Gunning's fog index developed in. a) 1922 b) 1932 c) 1942 d) 1952
CO5	K1	9.	_____ of a software product is an important concern for most users. a) Adaptability b) Testing c) Reliability d) None of these
CO5	K2	10.	_____ maintenance of a software product is necessary either to rectify the bugs observed while the system is in use. a) Corrective b) perfective c) Adaptive d) None of these

Course Outcome	Bloom's K-level	Q. No.	**SECTION – B (5 X 5 = 25 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	11a.	Draw a note on Data Structure oriented design and object oriented design. **(OR)**
CO1	K3	11b.	Mention the context of RAD and its working.
CO2	K3	12a.	Examine the various Project estimation techniques. **(OR)**
CO2	K3	12b.	How would you explain about Requirement gathering and analysis?
CO3	K4	13a.	How to characterize a good software design? **(OR)**
CO3	K4	13b.	Examine the concept of Structured analysis.
CO4	K4	14a.	What are the Characteristics of a good user interface? **(OR)**
CO4	K4	14b.	Analyse the term Boundary value analysis.
CO5	K5	15a.	Discuss the term Software reliability in detail. **(OR)**
CO5	K5	15b.	Critically evaluate the process of Software reverse engineering.

Course Outcome	Bloom's K-level	Q. No.	**SECTION – C (5 X 8 = 40 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	16a.	Describe the Emergence of Software engineering. **(OR)**
CO1	K3	16b.	Clarify the differences between Classical Waterfall Model and Iterative waterfall Model.
CO2	K4	17a.	Analyze the underlying Responsibilities of Software project manager? **(OR)**
CO2	K4	17b.	Distinguish Functional and non-functional requirements?
CO3	K4	18a.	Investigate the Overview of the design process. **(OR)**
CO3	K4	18b.	Compare and contrast the term Structured design and detailed design.
CO4	K5	19a.	Discuss the Basic concepts of user interface design. **(OR)**
CO4	K5	19b.	What are the Basic concepts and terminology of testing?
CO5	K5	20a.	Analyze Software quality management system. **(OR)**
CO5	K5	20b.	Determine the Characteristics of software maintenance.