

KADI SARVA VISHWAVIDYALAYA
BE SEMESTER-V Examination April -2024

SUBJECT CODE: CT501-N

SUBJECT NAME: SOFTWARE ENGINEERING

DATE: 3/4/2024

TIME: 12.00 P.M. to 03:00 P.M.

TOTAL MARKS: 70

Instructions:

1. Answer each section in separate answer sheet.
2. Use of scientific calculator is permitted.
3. All questions are Compulsory.
4. Indicate clearly, the option you attempt along with its respective question number.
5. Use the last page of main supplementary of rough work.

Section-I

Q-1 (A) What is software engineering? Explain its importance in detail. [5]

(B) Explain CASE tools for software projects. [5]

(C) Describe various phases of RAD Model and its Drawbacks. [5]

OR

(C) Explain Software Myths briefly. [5]

Q-2 (A) Explain Information hiding and Functional independence in detail. [5]

(B) Which are types of Requirement? Explain non-functional requirements in detail. [5]

OR

Q-2 (A) Describe Good programming practices in brief. [5]

(B) Explain Domain requirements and User requirements in detail. [5]

Q-3 (A) Prepare an activity diagram for Hospital Management System. [5]

(B) Explain Cohesion and Coupling in detail. [5]

OR

Q-3 (A) Explain Dynamic System Development Method (DSDM) in detail. [5]

(B) Explain Architectural Design Elements and Component Level Design elements. [5]

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Section-II

- Q-4** (A) Differentiate between Unit testing and Regression testing. [5]
(B) Explain Decomposition Techniques in detail. [5]
(C) Describe Software Reliability in brief. [5]

OR

- (C) Explain Integration Testing in brief. [5]
- Q-5** (A) Draw a class diagram for Airline Reservation System. [5]
(B) Compare: Reactive Risk Strategies and proactive Risk Strategies. [5]

OR

- Q-5** (A) What are the Current trends in Software Engineering? Identify Soft Trends from it. [5]
(B) Short note : Risk monitoring & management. [5]

- Q-6** (A) How can you find Software Project Estimation. [5]
(B) Create RMMM plan for ATM System. [5]

OR

- Q-6** (A) Describe Software Quality Assurance in brief. [5]
(B) Explain Tools-Related Trends in detail. [5]