



TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES VISAYAS

Capt. Sabi St., City of Talisay, Negros Occidental

OFFICE OF THE COLLEGE DEAN

MIDTERM EXAM

SOFTWARE ENGINEERING

1ST SEMESTER, 2023-2024

Name: _____ Yr. & Sec. _____ Score
Last Name First Name M.I.
Instructor: _____ Proctor: _____ Date: _____

1.) Which software development model is known for its sequential phases of Requirement Analysis, Design, Implementation, Testing, Deployment, and Maintenance?

- A. Agile Model
- B. Waterfall Model
- C. Spiral Model
- D. V-Model

2.) What does the term "SDLC" stand for in Software Engineering?

- A. Software Development Lifecycle
- B. Systematic Design and Logical Control
- C. Systematic Deployment of Logical Code
- D. Software Design and Logical Continuity

3.) Which type of testing is performed to validate if the software works in different environments, configurations, and conditions?

- A. Integration Testing
- B. Regression Testing
- C. System Testing
- D. Acceptance Testing

4.) What is the term for software testing that assesses whether the software can be successfully installed, configured, and uninstalled?

- A. Installation Testing
- B. Regression Testing
- C. Stress Testing
- D. Usability Testing

5.) What is the purpose of the "Requirement Analysis" phase in Software Development?

- A. To ensure that the software is bug-free
- B. To define the features, functions, and constraints of the software
- C. To create a user-friendly interface
- D. To ensure the compatibility of software with various devices

6.) What is the purpose of version control systems like Git in software development?

- A. To manage and track changes in source code and facilitate collaboration among developers
- B. To compile and debug code errors
- C. To design the graphical user interface
- D. To test software against various operating systems

7.) Which phase of the Software Development Lifecycle involves detailed planning and the creation of a project roadmap?

- A. Requirements Analysis
- B. Design
- C. Implementation
- D. Planning

8.) In the context of software engineering, what is "agile" focused on?

- A. Creating a single, extensive software release
- B. Adapting to changing requirements and delivering increments of software
- C. Structured, rigid development processes
- D. Writing comprehensive documentation before coding

9.) Which software development process involves the continuous feedback loop for constant improvement?

- A. Waterfall Model
- B. Agile Model
- C. V-Model
- D. Spiral Model

10.) In software development, what does the acronym "OOP" commonly represent?

- A. Operational Object Processing
- B. Output Oriented Programming
- C. Object-Oriented Programming
- D. Open-Source Protocol

11.) What does the term "API" stand for in the context of software development?

- A. Application Programmed Interface
- B. Automated Programming Interface
- C. Advanced Programming Instruction
- D. Application Programming Interface

12.) What does UML stand for in software engineering?

- A. Unified Modeling Language
- B. Uniform Modeling Logic
- C. Universal Markup Language
- D. Unique Model Link

13.) What is the primary goal of a 'use case' in software development?

- A. To outline the specific functions of a class
- B. To illustrate the interaction between users and the software system
- C. To specify the acceptance criteria for software features
- D. To define the layout and design of the user interface

14.) What does "SCRUM" represent in Agile Software Development?

- A. An iterative and incremental approach to software development
- B. A project management framework with roles, events, and artifacts
- C. A technique for software testing and validation
- D. A design pattern for user interface development

15.) Which testing method assesses individual units or components of a software application independently?

- A. Integration Testing
- B. System Testing
- C. Unit Testing
- D. Acceptance Testing