Exam Seat No. Examiner’s Marks & Sign.

Student’s Sign Jr. Supervisor’s Sign.

**Shivaji University Kolhapur**

**S.Y. B.Tech.(Computer Science and Engineering)**

**(Part-II) (Semester-III) (CBCS) Examination, December -2020**

**Software Engineering**

**Sub.Code:79143**

Day and Date: 22/04/2021 Total Marks: 50

Time: 1.00 PM to2.00 PM

Instructions:

1. All questions are compulsory.
2. Each question carries TWO Marks.
3. Write down the correct option in the given box in front of the question.

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| **Sr.No.** | **Questions** | **Answers** |
| Q.1 | Which Key Process Area from the following is found at CMM Level   1. Software Quality Management 2. Technology Change Management 3. Software Product Engineering 4. Requirements Management |  |
| Q.2 | The main reason for software to be costly as   1. Hardware is costly 2. It is Labour intensive 3. Tools to Develop software are costly 4. None of the above |  |
| Q.3 | Most commonly used measure of software size is   1. LOC 2. DLOC 3. KOLC 4. None of the above |  |
| Q.4 | Major contributors to software crisis are   1. Cost 2. Schedule overrun 3. problem of reliability 4. All of the above |  |
| Q.5 | Software requirement specification document also called as:   1. Software designing 2. Requirement documents 3. Software coding 4. none of these |  |
| Q.6 | The property that defines how well the software meets its requirements called as:   1. efficiency 2. flexibility 3. reliability 4. none of these |  |
| Q.7 | The longest software life cycle phase is   1. Implementation and testing 2. Operation And maintenance 3. Software design 4. Software development |  |
| Q.8 | Maintainability is the effort required to ... and fix.... in operating program   1. Locate ,error 2. Correct, faults 3. Select, error 4. Correct, bugs |  |
| Q.9 | software development is done in phases to   1. achieve Scalability 2. achieve consistency 3. Both A & B 4. none of these |  |
| Q.10 | An SRS is \_\_\_\_\_\_\_\_ if its structure and style are such that any necessary change can be made easily  While preserving completeness & consistency.   1. Modifiable 2. Verifiable 3. Usable 4. Complete |  |
| Q.11 | Following is not a requirement specification   1. Functional requirements 2. input and output formats 3. design constraint s due to political and economical reasons 4. None of above |  |
| Q.12 | The main problems of software development are:   1. high cost, low quality and frequent changes causing rework 2. low cost, low quality and frequent changes causing rework 3. low cost, high quality and frequent changes causing rework 4. None of above |  |
| Q.13 | The documentation provided in the source code itself is called as,   1. Internal documentation 2. documentation 3. comments 4. None of these |  |
| Q.14 | When is code review performed during software life cycle?   * 1. After unit testing   2. After coding and compiling   3. During integration testing   4. During system testing |  |
| Q.15 | Coding is undertaken once   * 1. design phase is complete   2. design documents have been successfully reviewed   3. Both (A) and (B)   4. None of these |  |
| Q.16 | During the system testing, the \_\_ is tested against its requirements as recorded in\_\_   * 1. product, SRS document   2. software, design document   3. module, requirement document   4. None of these |  |
| Q.17 | The objective of coding phase is   * 1. to transform the design of system into code in high level language and then to unit test this code   2. to code the module   3. to document the module   4. to code and document the module by documentation standards |  |
| Q.18 | Which of the following is type of code review?   * 1. code inspection   2. code walkthrough   3. Both (A) and (B)   4. None |  |
| Q.19 | The CMM model is a technique to  A) Automatically maintain the software reliability B) improve the software process. C) test the software D) all of the mentioned |  |
| Q.20 | The probability of the software product working correctly over a given period of time is called as   1. software reliability 2. software assurance 3. software quality 4. None of these |  |
| Q.21 | Which are true statements   1. Hardware components fail due to wear and tear 2. Software components fail due to bugs 3. Both (A) and (B) 4. None of these |  |
| Q.22 | Softwareproduct quality factors (or attributes)   * 1. Portability, Usability   2. Reusability, Correctness and Maintainability   3. Both (A) and (B)   4. None of these |  |
| Q.23 | Agile Software Development is based on   * 1. Incremental Development   2. Iterative Development   3. Linear Development   4. Both Incremental and Iterative Development |  |
| Q.24 | \_\_\_\_\_\_\_is an agile software development methodology which improves software quality and responsiveness to changing customer requirements   1. Extreme Programming 2. Express Professionals 3. Experienced Professional Technique 4. None of these |  |
| Q.25 | Reliability of software product denotes   1. trustworthiness 2. dependability 3. Both (A) and (B) 4. None of these |  |

**Answer Keys**

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| Q. No. | Correct alternative | Q. No. | Correct alternative |
| 1 | C | 16 | A |
| 2 | B | 17 | A |
| 3 | B | 18 | C |
| 4 | D | 19 | B |
| 5 | B | 20 | A |
| 6 | C | 21 | C |
| 7 | C | 22 | C |
| 8 | A | 23 | D |
| 9 | C | 24 | A |
| 10 | A | 25 | C |
| 11 | D |  | |
| 12 | A |
| 13 | A |
| 14 | B |
| 15 | C |