

Q.5 COCOMO stands for \_\_\_\_\_. (CO3)

- a) Consumed Cost Model
- b) Constructive Cost Model
- c) Common Control Model
- d) Composition Cost Model

Q.6 What is true for SRS document (CO4)

- a) SRS is input document for the first phase of SDLC
- b) SRS is output of design phase of SDLC
- c) SRS is the main output of the software requirement specification activity
- d) None of the above

Q.7 Which approach ID used in function oriented design of software design (CO5)

- a) Bottom up
- b) Top down
- c) Both
- d) None of above

Q.8 \_\_\_\_\_ is the measure of the degree of interdependence between the modules.

- a) Cohesion
- b) Coupling
- c) Data Dictionary
- d) None of the above

Q.9 Which of the following is not a software testing method (CO6)

- a) Beta testing
- b) Unit testing
- c) Integration testing
- d) Waterfall testing

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Q.10 By whom is unit testing done? (CO6)

- a) User
- b) Developer
- c) Customer
- d) None of the above

### SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is a closed system. (CO1)
- Q.12 Expand sdlc. (CO2)
- Q.13 Write advantage of prototype model. (CO2)
- Q.14 Expand loc. (CO3)
- Q.15 Name any two metrics for project size estimation. (CO3)
- Q.16 Expand SRS. (CO4)
- Q.17 List any two components of SRS. (CO4)
- Q.18 What one purpose of documentation. (CO5)
- Q.19 DFD stands for \_\_\_\_\_. (CO5)
- Q.20 Name any two types of testing. (CO6)

### SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define software engineering. (CO1)
- Q.22 Write difference between open and closed systems. (CO1)

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**5th Sem / Branch : Comp, IT**  
**Sub.: Software Engineering**

M.M. : 100

Time : 3Hrs.

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following is not an example of high level programming language. (CO1)  
a) Python b) Window xp  
c) Java d) Pascal
- Q.2 A program that can execute high-level language programs.  
a) Antivirus b) Interpreter  
c) Sensor d) Operating system

- Q.3 Which of the following is not a phase of waterfall model (CO2)  
a) Design b) Maintenance  
c) Coding and testing d) Probability
- Q.4 A model that is demo implementation of the system (CO2)  
a) Waterfall model b) Spiral model  
c) Prototype model d) None of the above

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- Q.23 Why to follow life cycle models in software development. (CO2)
- Q.24 Explain Prototyping Model. (CO2)
- Q.25 Write short note on spiral model. (CO2)
- Q.26 Give the procedure of the Delphi method. (CO3)
- Q.27 Write short note on loc. (CO3)
- Q.28 What are disadvantages of LOC. (CO3)
- Q.29 Write any two Characteristics of good SRS. (CO4)
- Q.30 What are the advantages of SRS document. (CO4)
- Q.31 What is DFD? (CO5)
- Q.32 What is a data dictionary? (CO6)
- Q.33 Why we use decision table? (CO5)
- Q.34 Distinguish between verification & validation. (CO6)
- Q.35 Define black box Testing. (CO6)

**SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain water fall life cycle model with all the different stages. (CO2)
- Q.37 What is SRS. Explain Characteristics of good SRS. (CO4)
- Q.38 Write notes on  
a) Integration Testing (CO6)  
b) Configuration management. (CO6)

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