

No. of Printed Pages : 4 180855/170855/120855/030855
Roll No.

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

Time : 3Hrs.

M.M. : 100

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

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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- 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
 b) Configuration management. (CO6)

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