

No. of Printed Pages : 4  
Roll No. ....

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

Time : 3Hrs.

M.M. : 100

**SECTION-A**

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

- Q.1 Which of the following is an example of high level programming language (CO-1)
- a) Python                      b) Window Xp
  - c) Linux                        d) Norton
- Q.2 In which language, instruction are written in English like words. (CO-1)
- a) Low level languages
  - b) High Level languages
  - c) Assembly language
  - d) Machine language
- Q.3 Spiral model originally proposed by (CO-2)
- a) Boehm                      b) Winston
  - c) Royce                       d) Dexter
- Q.4 Sdic stands for
- a) Software development life cycle
  - b) System development life cycle
  - c) Software developed life cycle
  - d) System developed life cycle

(1)

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- Q.5 LOC stands for (CO-3)
- a) Lines of contact            b) Lines of code
  - c) Length of code            d) Length of contract
- Q.6 SRS stands for (CO-4)
- a) System requirement specification
  - b) Software requirement specification
  - c) Software required systems
  - d) System required specification
- Q.7 DFD stands for
- a) Digital flow diagram
  - b) Data flow diagram
  - c) Dynamic flow diagram
  - d) Digital flow drawing
- Q.8 The three basic single entry, single exit constructs are (CO-5)
- a) Sequencing, selection, iteration
  - b) Alpha testing, beta testing, gamma testing
  - c) Loops, data, information
  - d) None of the above
- Q.9 Which of the following is a software testing method
- a) Alpha testing
  - b) Differentiation testing
  - c) Spiral testing
  - d) Wooden testing
- Q.10 White Box testing is done (CO-6)
- a) With internal knowledge of product
  - b) Without internal knowledge of product

(2)

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### SECTION-B

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

- Q.11 What is open system. (CO-1)
- Q.12 Write name of any two life cycle models. (CO-2)
- Q.13 Write advantages of spiral model. (CO-2)
- Q.14 Expand cocomo. (CO-3)
- Q.15 Define software metrics. (CO-4)
- Q.16 What is SRS. (CO-4)
- Q.17 SRS serves as a contract between customer and developer (True/False) (CO-4)
- Q.18 Expand CMM. (CO-6)
- Q.19 Write the use of unit testing. (CO-6)
- Q.20 Explain the term beta testing? (CO-6)

### SECTION-C

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

- Q.21 Write difference between program and software. (CO-1)
- Q.22 Write any two characteristics of software as a product. (CO-1)
- Q.23 What do you mean by feasibility study. (CO-2)
- Q.24 Write down Advantages of waterfall model. (CO-2)
- Q.25 What are the Responsibilities of Software Project Manager. (CO-2)

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- Q.26 What is COCOMO model? (CO-2)
- Q.27 Write short note on function point metric. (CO-3)
- Q.28 Explain any two Responsibilities of Software Project Manager. (CO-3)
- Q.29 What is requirement gathering? (CO-4)
- Q.30 What are the various components of a SRS Document. (CO-4)
- Q.31 What is Cohesion? (CO-5)
- Q.32 What is coupling? (CO-5)
- Q.33 What is the role of documentation. (CO-5)
- Q.34 Define Verification & Validation. (CO-6)
- Q.35 Define white Box Testing. (CO-5)

### SECTION-D

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

- Q.36 Write short notes on (CO-1)
  - a) Object oriented design
  - b) High level programming language
- Q.37 Explain (CO-3)
  - a) Delphi Technique
  - b) Ioc based metric
- Q.38 What do you understand by object oriented design and function oriented design and list differences between object oriented and function oriented design? (CO-5)

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