

**BACHELOR OF COMPUTER APPLICATION  
FOURTH SEMESTER  
SOFTWARE ENGINEERING  
BCA-942 [IDMn]**

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

Marks: 10

( Objective )

Choose the correct answer from the following:

1 × 10 = 10

1. Software project management comprises of a number of activities, which contains.....
  - a. Project planning
  - b. Scope management
  - c. Project estimation
  - d. All mentioned above
2. What is the simplest model of software development paradigm?
  - a. Spiral model
  - b. Big Bang model
  - c. V-model
  - d. Waterfall model
3. Software consists of.....
  - a. Set of instructions + operating procedures
  - b. Programs + documentation + operating procedures
  - c. Programs + hardware manuals
  - d. Set of programs
4. COCOMO stands for.....
  - a. Consumed Cost Model
  - b. Constructive Cost Model
  - c. Common Control Model
  - d. Composition Cost Model
5. RAD Software process model stands for.....
  - a. Rapid Application Development
  - b. Relative Application Development
  - c. Rapid Application Design
  - d. Recent Application Development
6. Which design identifies the software as a system with many components interacting with each other?
  - a. Architectural design
  - b. High-level design
  - c. Detailed design
  - d. Both b & c
7. The tools that support different stages of software development life cycle are called:
  - a. CASE Tools
  - b. CAME tools
  - c. CAQE tools
  - d. CARE tools
8. Which is the most important feature of spiral model?
  - a. Quality management
  - b. Risk management
  - c. Performance management
  - d. Efficiency management
9. The level at which the software uses scarce resources is.....
  - a. Reliability
  - b. Efficiency
  - c. Portability
  - d. All of the above

10. Alpha and Beta Testing are forms of.....
- a. Acceptance testing
  - b. Integration testing
  - c. System testing
  - d. Unit testing
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**( Descriptive )**

Time : 1 hr. 15 mins.

Marks : 25

[ Answer question no.1 & any two (2) from the rest ]

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|---|----|
| 1. Differentiate between Line of Code (LOC) and Function Point (FP) Metric.   | 5  |
| 2. What do you mean by software life cycle model? Explain the various types of software life cycle models in details along with an example. | 10 |
| 3. What do you mean by COCOMO model? How many types of COCOMO model are there? Explain all of them with an example.                         | 10 |
| 4. What do you mean by risk management? Explain the five major activities of risk management.   | 10 |
| 5. What do you mean by testing in software engineering? How many types of testing are there in software engineering? Explain all of them.   | 10 |

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