V.P. & R.P.T.P. SCIENCE COLLEGE
T.Y. B.Sc (SEMESTER VI) INTERNAL EXAMNINATION – March, 2019
US06CCSC05 [Software Engineering]

Date: 11-03-2019   Time: 10.00 A.M. to 12.00 Noon   Max.Marks: 50

Q - 1   **Multiple Choice Question:**   **[08]**

1] The coding should follow rules of _____ .
- a) Structured Programming
- b) UML
- c) Integrated Programming
- d) OOPs

2] _____ part requires major efforts.
- a) Testing
- b) Design
- c) Coding
- d) Maintenance

3] Partitioning, Abstraction and Projection are used for _____ .
- a) Data Analysis
- b) Structuring Information
- c) SDLC
- d) DFD

4] The Gantt chart is used for _____ method to display activities.
- a) Earned Value Method
- b) Review
- c) UDF
- d) SRS

5] Which of the following is a tool in design phase?
- a) Abstraction
- b) Refinement
- c) Information Hiding
- d) All of above

6] Which one is the key term used in design of a system?
- a) Module
- b) Data
- c) Process
- d) None

7] The program verification method falls in which category?
- a) Static
- b) Dynamics
- c) Static and Dynamic
- d) Structured

8] Comments for a module are often called _____ for the module.
- a) prologue
- b) message
- c) information
- d) None

Q - 2   **Answer the following in short: (Attempt Any Five)**   **[10]**

1] Define: 1. Software 2. Software Engineering
2] Explain advantages of spiral model.
3] Explain Risk management.
4] List down the activities performed during project planning.
5] Define: 1. Module 2. Modular System
6] List the names of verification techniques for System design & Detailed design.s
7] Define: 1. Error 2. Fault
8] Which are the control constructs used in Structured programming?

Q - 3   Explain waterfall model in detail.   **[08]**

OR

Q - 3   Explain characteristics of software process.   **[08]**

Q – 4   Explain COCOMO Model.   **[08]**

OR

Q – 4   What is SRS? Explain characteristics and components of SRS?   **[08]**

Q – 5   What is system design? Explain how coupling and cohesion is used.   **[08]**

OR

Q – 5   Write a note on Logic/Algorithm design.   **[08]**

Q - 6   Explain coding approach and programming style.   **[08]**

OR

Q - 6   What is testing? Explain levels of testing using diagram.   **[08]**