Roll No ....

IT-6002-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Software Engineering and Project Managements

Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

ii)   All questions carry equal marks.

1. a) Explain unified process? What are its characteristics?
   b) Explain spiral model in detail and under what circumstances it is beneficial?

2. a) What is reverse engineering? Discuss its advantages.
   b) Discuss COCOMO model for cost estimation of software development.

3. a) Explain different metrics of software quality.
   b) What are the activities involved in software requirement analysis? What is requirement validation?

4. a) Differentiate between function-oriented and object oriented software development.
   b) What is functional independence? Explain different cohesion and coupling types in detail.

5. a) What are the characteristics of a good user interface design? Describe how UID may be developed for a data acquisition system.

IT-6002-CBGS   PTO

    b)   What do you understand by the term top down decomposition in the context of function oriented design?

6. a)   Discuss software testing strategies? Differentiate between verification and validation.

    b)   Describe the components of software maintenance process? Why the cost of software maintenance is high?

7. a)   What is configuration management? State the four activities of configuration management.

    b)   Give a brief note on SQA and quality planning.

8. Write short notes:

    i)   Black Box Testing

    ii) Code review

    iii) Intelligent Software Agents

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