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Roll No

CS-6003-CBGS

B.E. VI Semester

Examination, December 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) What is software development? How is it different from software engineering? Explain various principles of software engineering in detail.
b) Explain the following:
 - i) Spiral Model
 - ii) Waterfall Model
2. a) Differentiate between a software product and a software process. Give example of each.
b) What are the activities which are involved in Software requirement analysis? What is Requirement validation?
3. a) Compare Function oriented and Object oriented software development.
b) What is Software design? Discuss the objectives of Software design.
4. a) What is the difference between coupling and cohesion? Explain in detail.
b) Write different design principles in detail.

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5.
 - a) What is the difference between a sequence diagram and collaboration diagram? Illustrate using suitable example.
 - b) List nine diagrams used in UML in detail.
6.
 - a) Discuss different types of code reviews. Explain when and how code review meetings are conducted.
 - b) What is the difference between black box testing and white box testing.
7.
 - a) What are the various quality concepts of SQA?
 - b) What is SCM? Explain the concept of baseline and SCM items in brief.
8. Explain the following:
 - a) Test case design
 - b) Integration testing
 - c) Test matrices
