

Roll No .....

**CS-6003 (CBGS)****B.E. VI Semester**

Examination, May 2018

**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) Define Software Engineering. Explain Software Engineering: A layered technology. 7  
b) Explain Linear Sequential Model for Software Development. rgpvonline.com 7
2. a) Define Software Process. Explain RAD model for Software Development with its various phases. 7  
b) Explain software requirement specification. 7
3. a) Explain activities covered by the software project management. 7  
b) Explain the various SDLC activities as outlined by ISO 12207 with a neat diagram. 7
4. a) What are the dimensions of requirements gathering? 7  
b) Differentiate between function-oriented and object-oriented software development. 7

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5. a) What is software design? Explain various principles and design concepts of software design. 7  
b) What is functional independence? Explain different cohesion and coupling types in detail. 7
6. a) What is Software Requirement Specification (SRS)? State its principles and characteristics. 7  
b) How software inspection improves software quality? Explain software inspection process in brief. 7
7. a) What are the various quality concepts of SQA? 7  
b) What is SCM? Explain the concept of baseline and SCM items in brief. 7
8. Explain the following: 14  
a) Test case design  
b) Integration testing  
c) Black box testing  
d) Test matrices

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