

SE-SEM-III (7-1.) (Rev.)

S.E.

23/5/13  
May 2013

VT-F.H.Exam. May-13-55

Con. 9190-13.

GS-1141

( 3 Hours )

[ Total Marks : 100

N.B. : (1) Question No. 1 is **compulsory**.

(2) Attempt any **four** questions out of remaining **six** questions.

(3) **All** questions carry **equal** marks. (20 marks each)

1. (a) Justify any five guidelines of metrics with respect to your project of choice. 10  
Explain it with suitable diagrams.  
(b) How would you reduce the maintenance cost of software and increase 10  
the re-usability of above project of choice ?
2. (a) Design a RMMM plan for a database project. Explain the plan with atleast 10  
five risks and analyse the same.  
(b) What is the importance of change control ? Explain it with configuration 10  
items and baselines.
3. (a) What are the different tasks of software configuration management ? 10  
(b) Justify the requirement of object oriented software Engineering. Which tests 10  
play important role in object oriented context ?
4. (a) List and explain the fundamental concepts for software design. 10  
(b) Which tests are carried out during verification and validation ? Explain in 10  
detail.
5. (a) Explain the different techniques of software requirement analysis. 10  
(b) Discuss the software project planning with the help of SRS. 10
6. (a) List and explain the activities of version control. 10  
(b) Explain basis path testing and cyclometric complex with example and diagram. 10
7. Write short notes on (any two) :- 20
  - (a) User interface design principles
  - (b) Empirical estimation model
  - (c) CMM.

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