

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

23/5/13
May 2013

S.E.

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 at least **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) Impirical estimation model
 - (c) CMM.
