Reg. No. : .....

Name : .....

12/11/2012 **M 1949**

V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W./ B.A. Afsal Ul Ulama Degree (CCSS – Reg./Supple./Improv.) Examination, November 2012

CORE COURSE IN COMPUTER SCIENCE

5B08 CSC : Software Engineering

Time: 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of **4** questions is **1**.

I. 1. Waterfall model is also known as _____

2. _____ is produced at the culmination of requirement analysis.

3. Model of the software to be built is called _____

4. A named collection of data that describes a data object is _____

II. 5. _____ defines the number of independent paths in the basis set of a program.

6. The process for removal of error is _____

7. _____ encapsulates data and the procedures that process the data.

8. _____ is a measure of the relative interdependence among modules.

1

SECTION – B

Answer **any five** questions. Weightage **1 each** :

9. List out the software characteristics.

10. What is software process model ?

11. What is control hierarchy ?

P.T.O.

12. What are the objectives of testing ?
13. What is boundary value analysis ?
14. What are the different debugging approaches ?
15. What is cohesion ?
16. Which are the informations presented in design specification ? (5×1=5)

SECTION – C

Answer **any five** questions. Weightage **2 each**.

17. Explain the steps for software requirement analysis.
18. Explain increment process model.
19. Differentiate top down and bottom up integration testing.
20. Write a note on software verification and validation.
21. Explain the design heuristics for effective modularity.
22. Write on requirement documentation and validation.
23. Write a note on testing tools.
24. What is feasibility ? Which are the techniques applied to select a feasible project ? (5×2=10)

SECTION – D

Answer **any one** question. Weightage **4**.

25. Explain briefly each of the design methodology.
26. Explain functional independence with example diagrams. (1×4=4)
