



K18U 1447

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.) Examination,
November 2018
(2014 Admn. Onwards)
Core Course in Computer Science
5B08CSC – SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer : (8×0.5=4)
- a) Software placed in ROM of the product is known as _____
 - b) OOD stands for _____
 - c) _____ testing refers to test the software as a complete product.
 - d) If x and y are structured in the same manner, then the cohesion is _____
 - e) _____ is the elimination of irrelevant and amplification of essentials.
 - f) _____ show the flow of data through a system.
 - g) _____ is the measure of degree of interdependence between modules.
 - h) Mistakes made by developers while coding are called _____

SECTION – B

Write short note on **any seven** of the following questions : (7×2=14)

- 2. What is the difference between software and program ?
- 3. Define productivity.
- 4. What is meant by degree of a relationship ?
- 5. Define entity and attribute.
- 6. Define sequential cohesion and logical cohesion.

P.T.O.



7. Define pseudocode.
8. Define class and object with an example.
9. Write a note on encapsulation.
10. Define verification and validation.
11. What is meant by software failure and software error ?

SECTION – C

Answer **any four** of the following questions :

(4×3=12)

12. Briefly describe measures, metrics and measurement.
13. Explain E-R diagram with an example.
14. What is modularity ? List the important properties of a modular system.
15. Explain notations for object oriented design in detail.
16. Explain robustness testing with figure.
17. Briefly describe requirement validation.

SECTION – D

Write an essay on **any two** of the following questions :

(2×5=10)

18. Discuss incremental process model in detail.
19. Discuss about requirement elicitation in detail.
20. Explain design strategy in detail.
21. Explain integration testing and system testing in detail.