K16U 1845

8. What is a boundary value analysis?

Answer any four of the following questions



Reg. No. :

Name : ...

V Semester B.Sc. Degree (CBCSS-2014 Admn.-Regular) Examination, November 2016

CORE COURSE IN COMPUTER SCIENCE 5B08CSC: Software Engineering

SECTION - C

Time: 3 Hours

(SI=CxA)

Max. Marks: 40

SECTION - A - NOITO DUTE Waterfall life cycle.

1. One word answer:

 $(8 \times 0.5 = 4)$

- a) Level 0 DFD is also called
- b) The degree of interaction between two modules is known as
- c) Cyclomatic complexity of a flow graph G with n vertices and e edges is
- d) The relationship of data elements in a module is called
- e) Boundary value analysis belongs to
- f) Alpha testing is done at
- g) FAST stands for
- h) The spiral model was originally proposed by

eloyo elil SECTION - Bi lovri sessorio i markib entinistraci

Write short notes on any seven of the following questions:

 $(7 \times 2 = 14)$

- 2. Define software engineering.
- 3. What does Level 0 DFD represent? and stirly bas and double no associations exhibit
- 4. What is cyclomatic complexity?
- 5. What are the fundamental activities of a software process?
- 6. What are non functional requirements?

K16U 1845



- 7. Define design process.
- 8. What is a boundary value analysis?
 - 9. Define Verification.
- 10. Explain the disadvantages of classic life cycle model.
- 11. What are the two levels of testing? MOO MI 329U00 3900

SECTION - C

Answer any four of the following questions:

 $(4 \times 3 = 12)$

Time: 3 Hours

One word answer:

deline tole al U-IO 0 loved in

el Botindary vidue analysis

(i) Alpha testino is done al

d) The relationship of data elements

- 12. Draw a diagram for pure waterfall life cycle.
- ,13. What is coupling?

Max: Marks: 40

- 14. Give the characteristics of a good design.
- 15. What are the contents we should contain in feasibility report?
- · 16. How to compute the cyclomatic complexity?
 - 17. What are the steps followed in testing?

SECTION - D

Answer any two of the following questions:

- 18. Explain the different phases involved in waterfall life cycle.
- 19. Explain Software Requirement Specification.
- 20. What are the different types of Cohesion?
- 21. Write short notes on black box and white box testing. get GFG 0 level seeb tertW . 8

What is cyclomatic complexity? 5. What are the fundamental activities of a software process?

6. What are non functional requirements?