TB154175A **Reg. No.....**

Name.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017

SEMESTER IV – CORE COURSE (COMPUTER APPLICATION)

CAC4B08TB – SOFTWARE ENGINEERING

Time: Three Hours **Maximum Marks: 80**

PART A

I. Answer all questions. Each question carries 1 mark

1. What do you mean by SDLC?
2. What do you mean by productivity in software?
3. What is the purpose of requirement validation?
4. List the software system attributes
5. What is a module?
6. What is testing?

(6x1=6)

PART B

II. Answer any seven questions in one or two sentences. Each question carries 2 marks

7. Differentiate hardware and software end products?
8. Explain the baseline specifications.
9. Explain software process and product metrics.
10. Explain functional and non functional software requirements.
11. Explain Entity-Relationship diagram with an example.
12. What do you mean by cost estimation?
13. What is software reliability?
14. What is capability maturity model?
15. What is acceptance testing?
16. What is DD path graph?

(7x2=14)

PART C

III. Answer any five questions in 50 words Each question carries 6 marks

17. Explain organization chart with example.
18. Explain software process.
19. Explain prototyping model with a diagram
20. Discuss about data dictionaries.
21. Explain DFD with diagrams
22. Explain top down and bottom up design strategies.
23. Explain test case design
24. Explain structural testing.

(5x6=30)

PART D

IV. Answer any two questions in 100 words. Each question carries 15 marks

25. With a neat diagram explain waterfall model with its issues and challenges
26. Briefly explain COCOMO Model
27. Explain different types of cohesion.
28. Explain different levels of testing.

(2x15=30)