

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2016

CA 5505 – SOFTWARE ENGINEERING

Date: 03-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer ALL the Questions:

(10 x 2 = 20 marks)

1. Define Software Engineering.
2. Define product.
3. Differentiate Horizontal and vertical partitioning.
4. Write the Safety risks and Hazards.
5. Define DFD.
6. What is Data Dictionary?
7. What is Coupling?
8. What is alpha and beta test?
9. Define Reliability.
10. What is white box testing?

PART – B

Answer ALL the Questions:

(5 x 8 = 40 marks)

11. a. Explain the Software applications with example.
(OR)
b. Write a note on function oriented Metrics.
12. a. Explain about COCOMO model.
(OR)
b. Explain Prototyping methods and Tools specification.
13. a. Write a note on ERD and DFD.
(OR)
b. Explain about Classical analysis methods.
14. a. Explain about Design concepts.
(OR)
b. Explain about effective modular design.
15. a. Explain about Black box testing.
(OR)
b. Explain Software Quality factors.

PART – C

Answer any TWO questions:

(2 x 20 = 40 marks)

16. a. Explain the different types of Software process model.

b. Explain in detail about decomposition technique.

17. a. Explain the different types of Risks.

b. Explain Version control and SCM standards.

18. a. Write a brief note on Various Debugging method.

b. Explain Change control in detail.

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