

BCA/D-18
SOFTWARE ENGINEERING
PAPER – BCA-234

Compulsory Question

1. (a) State two advantages of spiral model.
(b) List the symbols used DFD.
(C) What is software metric?
(d) Distinguish between Alpha and Beta testing.
(e) What types of faults are detected by integration testing?
(f) Distinguish between implementation and maintenance.
(g) What is the importance of software project planning?
(h) State any two factors of quality assurance.

Unit –I

2. Discuss different phases in SDLS model? Explain with diagram prototype and Spiral models in detail.
3. (a) What is Software Engineering? Discuss different characteristics of software and hardware.
(b) What do you understand by software crisis?
Write a detailed note on the factors responsible for software crisis.

Unit – II

4. (a) Discuss different information gathering tools in detail.
(b) Write short on the following :
(a) Feasibility Study
(b) SCM
5. (a) What is SRS? What are its different components?
Discuss.
(b) What are central problems in producing SRS for a system? Discuss briefly.

Units III

6. (a) Discuss different Structured Analysis tools in detail.
(b) What is Software Maintenance? Briefly discuss characteristics of maintenance.
7. (a) What do you mean by cohesion? Discuss various levels of cohesion.
(b) How cohesion is related to coupling? Discuss briefly.

Unit – IV

8. What do you mean by cost estimation models? What are uncertainties in cost estimation? Discusses COCOMO model in detail.

9. Write short notes on the following :

(a) Risk Management

(b) Module Testing

(c) Team Structure

(d) Project Scheduling

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