

(4)

Unit-IV

8. (a) Define OMT (Object Modeling Technique) and discuss all features of OMT. 7½
- (b) Elaborate CMM (Capability Maturity Model) with all its levels given by SEI. 7½
9. (a) Define SPM (System Project Management). What activities are covered in SPM? 7½
- (b) Distinguish among object modeling, Dynamic modeling and Functional modeling. 7½

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Roll No. \_\_\_\_\_

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B.C.A (Semester-VI) Examination, May 2015

(New Syllabus)

Paper - II

(BCA-S-308)

***Time Allowed : Three Hours ] [ Maximum Marks : 100***

Note : Answer five questions in all. Question No.1 is compulsory. Attempt one question from each unit.

1. Attempt all the following questions:

10×4=40

- (a) What is the role of Information System for any organisation?
- (b) Discuss the various types of Information System.
- (c) Define preliminary system study.
- (d) Define JAD planning.
- (e) Discuss technical feasibility with example.
- (f) Discuss the duties of system analyst.

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- (g) What do you understand by system documentation.
- (h) Define PERT chart in project management
- (i) What are the measurements of the system quality?
- (j) Define adaptive maintenance with example.

Unit - I

- 2. (a) Define IS and discuss its all associative components. 7½
- (b) What are the features of good system design? 7½
- 3. (a) Define system analysis and discuss facts finding techniques of requirement determination. 7½
- (b) Discuss the problems associated with installing and operating computerised IS in Indian environment. 7½

Unit - II

- 4. (a) Define structured analysis. Discuss the importance of DFDs with suitable example. 7½

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- (b) What do you understand by decision table? Discuss benefits of it. 7½
- 5. (a) What is the degree of relationship in ERDs? Give a suitable example of each type of relationship degree. 7½
- (b) Discuss the necessity of system flow chart and define all notations used in it. 7½

Unit - III

- 6. (a) Discuss the role of system design. Distinguish between conceptual and technical system design. 7½
- (b) Define CASE tools with appropriate example and how does CASE support in SDLC? 7½
- 7. (a) What do you understand by system module? Define coupling and cohesion concept in modular design. 7½
- (b) Discuss the various techniques of system implementation or installation. 7½

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**P.T.O.**