

C 2119

B.C.A. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2017.

(End Semester Examination)

Second Semester

SYSTEM ANALYSIS AND DESIGN

(Common for B.Sc. (Computers)/B.C.A. only)

(Old Syllabus)

Time : 2 Hours

Max. Marks : 50

PART — A

Answer any FIVE of the following questions. **(5 × 2 = 10 Marks)**

1. List various components of a system.
2. System Analyst.
3. DFD v/s flowcharts.
4. What is data dictionary?
5. What is need of system maintenance?
6. What is design documentation?
7. Difference between logical and physical design.
8. How testing is different from debugging?

PART — B

Answer ALL the following questions. **(5 × 8 = 40 Marks)**

9. (a) Write the role and need of analyst in strategic planning in detail.

Or

- (b) Define system and list its various characteristics.

10. (a) What is SDLC? Explain various phases of SDLC.

Or

- (b) What are the different ways of finding the system requirements? Explain in detail.

Turn Over

11. (a) Identify the symbols used in data flow diagram and explain how each is used?

Or

(b) Describe the process of design. Also discuss logical and physical design.

12. (a) What guidelines should the analysts follow in the design of input and output?

Or

(b) Explain in detail all the steps involved in detailed system design.

13. (a) Discuss various training aids used for training users on a new system.

Or

(b) Explain the various activities in conversion. Which activity is the most important why?
