

S.D.E.

B.C.A. (2004 COURSE SEM- II : SUMMER - 2018

SUBJECT : SYSTEM ANALYSIS & DESIGN

Day : **Wednesday**
Date : **30/05/2018**

S-2018-4345

Time : **10.00 AM TO 1.00 PM**
Max. Marks : 80

N.B.

- 1) Attempt any **FIVE** questions from Section – I and any **TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer book.

SECTION – I

- Q.1** What is system? Write in brief about various elements of system. (10)
- Q.2** Explain fact finding techniques in brief. (10)
- Q.3** What is input and output design? Explain why proper form designing is essential for a system. Briefly discuss the criteria used for form design. (10)
- Q.4** Why system analyst is important in the software organization? Explain various roles played by system analyst. (10)
- Q.5** Define information system. Explain different types of information system. (10)
- Q.6** Explain System Development Life Cycle in detail. (10)
- Q.7** Write short note on any **TWO**: (10)
- a) Decision table
 - b) Feasibility study
 - c) FDD
 - d) Structured English

SECTION – II

- Q.8** a) Design questionnaire for employee in organization. (08)
- b) Explain Prototyping model in details (07)
- Q.9** Explain different symbols used in ERD. Draw ERD for the following: (15)
- a) Customers make order
 - b) Employer work in department
 - c) Customers buy item
- Q.10** Explain different symbols used in Data Flow diagram. Draw context level and first level DFD for library management system. (15)
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