

**S.D.E.**

**B.C.A. (2004 Course Sem- II : WINTER - 2018**

**SUBJECT : SYSTEM ANALYSIS & DESIGN**

Day : Thursday

Date : 29/11/2018

**W-2018-4507**

Time : 10.00 AM TO 1.00 PM

Max. Marks : 80

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**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.
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**SECTION – I**

- Q.1** Define system. Explain system characteristics in detail. (10)
- Q.2** Explain how system analyst acts as a middle man between software developer and end user? (10)
- Q.3** What is decision tree? Explain how it is useful in decision making. (10)
- Q.4** Explain importance of documentation in software development. (10)
- Q.5** Distinguish between (10)
- a) Open and closed system
  - b) Abstract and physical systems.
- Q.6** Explain waterfall model with its merits and demerits. (10)
- Q.7** Write short note on any **TWO**: (10)
- a) Interview technique
  - b) System Design
  - c) Structured English
  - d) Pseudocode

**SECTION – II**

- Q.8** Prepare a questionnaire to conduct a survey of consumers for launching new Smart Phone. (15)
- Q.9** Draw ERD for Hotel Management System considering suitable attributes. (15)
- Q.10** Draw context level, first level and second level data flow diagram for purchase order system. (15)

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