

S.D.E.

M.B.A. (I.T.) SEM-II (2013 COURSE) : WINTER - 2017
SUBJECT: ANALYSIS AND DESIGN OF INFORMATION SYSTEMS

Day : Thursday
Date : 14/12/2017

Time 02.00 P.M. TO 05.00 P.M.
Max. Marks : 70

W-2017-4328

N.B.

- 1) Attempt any **THREE** 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 books.

SECTION – I

- Q.1** Elaborate the role of System Analyst in software development process. (14)
- Q.2** What are CASE TOOLS? Explain working of any CASE TOOL with example. (14)
- Q.3** Neatly explain the SPIRAL process model and write advantages and disadvantages of it. (14)
- Q.4** What is the mode of interaction between system and user? What it is called? Briefly explain it. (14)
- Q.5** Write short notes on : (14)
- a) Normalization
 - b) User Interface
 - c) Structured English and Pseudo code

SECTION – II

- Q.6** The purchase order system functions as follows: (14)
After receiving the purchase requisition from store department enquires to various suppliers. The supplier sends quotations to company. All quotations are analyzed and final selection of supplier is done and accordingly purchased order to respective suppliers are send. The supplier sends invoice along with the material.
Prepare SRS and system specification for the above system.
- Q.7** Create **Decision Table** to assign risk categories and charges to applicants for an insurance. (14)
Use following rules:
If the applicant is under 21, apply a Surcharge. If the applicant is male under 26 and married or male and over 26 assign him to risk category B. If the applicant is single male under 26 or a female under 21, assign him/her to risk category 'C'. All other applicants are assigned to risk category A.
- Q.8** a) Explain different types of software maintenance. (07)
- b) What is software testing? Elaborate different types of testing. (07)

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