

**T.Y.B.SC. (COMPUTER SCIENCE) SEM –V (2014 COURSE) :**

**WINTER - 2017**

**SUBJECT : SOFTWARE ENGINEERING**

Day : **Wednesday**  
Date : **01/11/2017**

Time : **03.00 PM TO 05.00 PM**  
Max. Marks : **40**

**W-2017-0759**

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
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**Q.1** Attempt **ANY TWO** of the following: **[10]**

- a) What is data dictionary? What is the importance of data dictionary?
- b) Draw and explain components of the system.
- c) Explain interview as a fact finding method.

**Q.2** Attempt **ANY TWO** of the following: **[10]**

- a) Draw E-R diagram for Airline Reservation System.
- b) Draw and explain spiral model.
- c) Explain rules for 1NF, 2NF and 3NF.

**Q.3** Attempt **ANY TWO** of the following: **[10]**

- a) Explain skills of system analyst.
- b) Differentiate between open system and close system.
- c) Explain coding phase in SDLC.

**Q.4** Attempt **ANY FIVE** of the following: **[10]**

- a) What is data flow diagram?
- b) What is system design?
- c) What is structured English?
- d) Define prototyping.
- e) State any four qualities of good software.
- f) What is decision table?
- g) What is system maintenance?

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