

T.Y. B. SC. (Computer Science) SEM –V (CBCS - 2016 COURSE) :

WINTER - 2018

SUBJECT : SOFTWARE ENGINEERING

Day : Saturday
Date : 20/10/2018

W-2018-0933

Time : 03.00 PM TO 06.00 PM
Max. Marks : 60

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 : (12)

- a) What is good software? Explain qualities of good software .
- b) Explain guidelines of designing data flow diagram. List the symbols used to draw data flow diagram.
- c) Design data dictionary for fixed deposit system.

Q.2 Attempt ANY TWO of the following : (12)

- a) What is DBA? Explain roles of DBA.
- b) Design a questionnaire for staff information system.
- c) Explain structured interview method with advantages and disadvantages.

Q.3 Attempt ANY TWO of the following : (12)

- a) Draw ER diagram for inventory control system.
- b) What is Normalization? Explain need of data Normalization with one example.
- c) Discuss personal and technical skills required in system analyst.

Q.4 Attempt ANY THREE of the following : (12)

- a) Explain elements of a system.
- b) Explain system coding phase.
- c) Describe record review method for fact finding.
- d) Explain benefits of system testing.

Q.5 Attempt ANY FOUR of the following : (12)

- a) Differentiate between open system and close system.
- b) Write a short note on requirement investigation.
- c) Write a short note on types of decision table.
- d) Discuss technical and economic feasibility study.
- e) Discuss disadvantages of water fall model.
- f) Write a short note on system implementation.

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