No. of Printed Pages: 2

BCS-051

26820

BACHELOR OF COMPUTER APPLICATIONS

Term-End Examination

December, 2013

BCS-051: Introduction to Software Engineering

| Time: 3 hours Maximum Marks: 100 (Weightage: 75%) Note: Question no. 1 is compulsory and carries 40 marks. Attempt any three questions from rest | | | | | |
|---|-----|--|----|--|--|
| | | | | | |
| | (b) | Explain any two characteristics of a good function oriented design. | 10 | | |
| | (c) | Explain water Fall Model with the help of a diagram. | 5 | | |
| 2. | (a) | Draw first three levels of DFDs for a "Student Admission System". Make assumptions wherever necessary. | 10 | | |
| | (b) | Define the terms "Black Box Testing" and "White Box Testing". | 10 | | |
| 3. | (a) | Draw PERT chart for the development of "Student Admission System". | 10 | | |
| | (b) | Draw Class Diagram for any system of your choice. Include a short note on the system chosen. | 10 | | |

| 4. | (a) | Develop a test case for any testing technique for "Student Admission System". | 10 |
|----|-----|--|----|
| | (b) | Define the term "Software Project Management". Explain various tasks involved in it. | 10 |
| 5. | (a) | Draw ERD for any system of your choice. Indicate the title of the system chosen. | 10 |
| | (b) | Write a short note on Software Configuration Management. | 10 |

| No. | of | Printed | Pages | : | 2 |
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0380

BCS-051

BACHELOR OF COMPUTER APPLICATIONS

Term-End Examination
December, 2013

BCS-051: Introduction to Software Engineering

Time: 3 hours Maximum Marks: 100

(Weightage: 75%)

| Note : | Question no. 1 is compulsory and carries 40 marks. Attempt any three questions from rest | | | | | | | |
|--------|---|--|--|--|--|--|--|--|
| 1 /- |) Will the standard CDC and IEFE (| | | | | | | |

- 1. (a) Write the structure of SRS as per IEEE 25 standards.
 - (b) Explain any two characteristics of a good 10 function oriented design.
 - (c) Explain water Fall Model with the help of a diagram.
- 2. (a) Draw first three levels of DFDs for a 10 "Student Admission System". Make assumptions wherever necessary.
 - (b) Define the terms "Black Box Testing" and 10 "White Box Testing".
- 3. (a) Draw PERT chart for the development of 10 "Student Admission System".
 - (b) Draw Class Diagram for any system of your choice. Include a short note on the system chosen.

4. (a) Develop a test case for any testing technique 10 for "Student Admission System". (b) Define the term "Software Project 10 Management". Explain various tasks involved in it. 5. (a) Draw ERD for any system of your choice. 10 Indicate the title of the system chosen. Write а short note on Software (b) 10 Configuration Management.