Paper Code & Roll No. to be filled in your Answer Book

Roll No. ☐☐☐☐☐☐☐☐☐☐☐

BCA (II - Sem.)

Even Semester Examination - 2016

SYSTEM ANALYSIS AND DESIGN

Time : 3 Hours]   *[Maximum Marks : 70]*

Note : Attempt **all** questions.

Q1.   Attempt the following question: (5×3=15)

(a)   Which questions should be placed first on the questionnaire? Discuss.

(b)   What is the UML? Explain with suitable examples.

(c)   Explain the properties and characteristics of Database Design.

(d)   Explain Technical, Operational, Legal feasibility study process.

(e)   Explain about Data Flow Diagram, DFD symbols, and practical significance of DFD

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Q2. Write a short note on the following: (5x3=15)

    (a)   CASE tools

    (b)   Fan-in and scope of control of a module

    (c)   open-ended interview questions and story boarding

    (d)   Comapre i) inspections & walkthroughs ii) etic & emic.

    (e)   Domain of change & adhoc approach.

Q3. Attempt **any two** of the following: (2x10=20)

    (a)   What is meant by ethnography? Explain its characteristics with the help of example.

    (b)   Write a short note on i) RAD   ii) Dynamic Modeling   iii) fault, failure & error

    (c)   What are the different rules used while constructing the DFD? Draw a DFD for cheque encashment.

Q4. Attempt **any two** of the following: (2x10=20)

    (a)   Differentiate between object oriented analysis and object oriented design with the help of examples.