B. C. A. (Sem. III) (Non CBCS) Examination

March / April – 2016

System Analysis & Design, Software Engg. & MS-Access

Time : **3** Hours   Total Marks : **100**

1   Attempt any Two: **20**

    (a)   What is System & Sub System? Explain Characteristics of System.

    (b)   What is Information System? And Explain Categories of Information System.

    (c)   What is SDLC? And it's Stages.

2   Attempt any Four: **20**

    (a)   What is System Analyst? Explain the Responsibilities of System Analyst.

    (b)   Write a note on Feasibility Study.

    (c)   Explain the Project Review & Selection Method.

    (d)   What is User? And Explain different types of users.

    (e)   Explain the Decision Tree and Decision Table with Example.

3   Attempt any Four: **20**

    (a)   Explain different types of Software Applications.

    (b)   Explain Sequential and Indexed file Organization.

    (c)   Explain the RAD & Spiral Models.

    (d)   Explain different types of Risks.

    (e)   Define 3Ps.

4   Answer the following questions : (Any Two)   **20**

    (i)   Write a note on data types available in Access

    (ii)   Write steps to import a Microsoft Word document.

    (iii)   Describe various normalization forms with example.

5 Answer following questions in brief : (Any Four) **20**

    (i) List the different types of queries. Explain any two in brief.

    (ii) Explain following field properties :

        (a) Indexed

        (b) Validation Rule

        (c) Required

        (d) Allow Zero Length

        (e) Default Value

    (iii) List and explain different types of Joins with example.

    (iv) What is relationship? Explain different types of relationship with example.

    (v) List different filtering - techniques to filter records of table. Explain any one with example.

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