MCS-014

MCA (Revised) / BCA (Revised)

Term-End Examination

02055

June, 2018

MCS-014 : SYSTEMS ANALYSIS AND DESIGN

Time : 3 hours   *Maximum Marks : 100*

(Weightage : 75%)

*Note : Question number 1 is **compulsory**. Attempt any **three** questions from the rest.*

1. (a) Draw a 0-level and 1-level DFD of a "Grade Card Generation System for a University". Make necessary assumptions.   *10*

    (b) Draw an ERD for a "Grade Card Generation System for a University". Make necessary assumptions.   *10*

    (c) Write SRS outline for "Grade Card Generation System for a University". Make necessary assumptions.   *10*

    (d) Explain various approaches for development of information systems.   *10*

2. (a) What do you mean by "Feasibility Study" ? Explain different types of feasibility studies. *10*

   (b) With the help of an example, explain different types of fields in a table. Also, explain rules for naming tables and fields. *10*

3. (a) Explain different types of maintenance activities of a software system. *10*

   (b) Explain the differences between various types of Object-oriented CASE Tools. *10*

4. (a) Define the term "Data Dictionary". Give an example. *10*

   (b) Why do analysts use data dictionaries ? List the reasons. *10*

5. Write a short notes on the following :

   (a) Real Time Systems and Distributed Systems *10*

   (b) Cost-Benefit Analysis *10*

_____