MCS-014

MASTER OF COMPUTER APPLICATIONS (REVISED) AND BACHELOR OF COMUPTER APPLICATIONS (REVISED) (MCA/BCA)

Term-End Examination

December, 2019

MCS-014 : SYSTEMS ANALYSIS AND DESIGN

Time : 3 Hours *Maximum Marks : 100*

Weightage : 75%

Note : Question No. 1 is compulsory. Attempt any three questions from the rest.

1. (a) List and explain all the components of a Management Information System. 10

(b) Describe the role of forms as means of input to the system and report as the means of output of the system with the help of suitable examples for each.   10

(c) Discuss any *two* standards for documentation of software project.   10

(d) Draw DFD's upto 2nd-level for a Visitor's management system of a multinational company involved in manufacturing and sale of electronic products. Follow suitable conventions.   10

2. (a) Draw E-R diagram for "Visitor's Management System". Make necessary assumptions.   10

(b) Develop SRS for "Visitor's Management System". Make necessary assumptions. 10

3. (a) List and discuss the importance of various types of feasibility studies. 10

    (b) Explain the process and technical related issues in software maintenance. 10

4. (a) Discuss the following types of testing techniques : 5×2=10

    (i) Black Box testing

    (ii) White Box testing

    (b) Explain the criteria used for producing good reports. 10

5. Write short notes on the following : 4×5=20

    (a) CASE tools

    (b) Data dictionary

    (c) Modularity

    (d) Site Visits and Questionnaires