**Indian Statistical Institute**
**Documentation Research and Training Center**

**M.S. in Library and Information Science**
**Semester Final Exam (III semester) (2015-2017)**

**Paper – 14 : CONTENT MANAGEMENT SYSTEMS**

Date: 17.11.2015                                                                                          Max Marks: 100
                                                                                                                    Time: 3 hrs.

*Answer any five questions.*

1. (a) What is a Content Management System (CMS)? Briefly, discuss the document management system and digital asset management system.                                [2+8]
    (b) Discuss the fundamental components of the CMS software tools.                   [10]

2. What is a Community Information Service (CIS)? Discuss with an example the steps of designing a CIS.                                                                                      [2+18]

3. (a) What is a portal? Briefly, discuss the various types of portals.                   [2+8]
    (b) Discuss the significance of a portal in today's information rich society.        [10]

4. (a) Discuss the key features that a CMS should incorporate to deliver successful online courses.                                                                                                          [10]
    (b) Discuss the advantages and disadvantages of developing a site using an open source content management system.                                                              [10]

5. (a) What is a software agent? Discuss the issues involved in designing agent-based systems.                                                                                                            [2+8]
    (b) Discuss the advantages and disadvantages of mashup technology over portal technology in designing Web applications.                                                        [10]

6. Answer *any four* from the following.                                                              [4*5]
    (a) Briefly describe the portlet technology.
    (b) Write a short note on mashup technology.
    (c) Discuss the differences between an agent and an expert system.
    (d) Briefly, discuss the differences between a portal and a subject gateway.
    (e) Briefly describe the adaptive personalization.