

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

**M.S. in Library and Information Science
Mid-Semester Exam (III semester) (2016-2018)**

Paper – 14 : CONTENT MANAGEMENT SYSTEMS

Date: 20.11.2017

Max Marks: 100

Time: 3 hours

Answer any five questions.

1. What is a Community Information Service (CIS)? Discuss with examples the steps you would follow to design a CIS for a public library. **2+18**

2. What is a portal? Illustrate the features of a portal site? Discuss with examples the various types of portals. **2+6+12**

3. (a) What is a personalization? Describe *profile based* and *behaviour based personalization* with examples. **2+8**
(b) Explain why you would suggest Drupal to the convener of an International Conference to design the conference website? **10**

4. Define the terms *software agent* and *multiagent system*. Illustrate the various properties of a software agent. Discuss the issues in designing agent-based systems. **4+6+10**

5. (a) What is a Mashup? Discuss the benefits of Mashup technology. Briefly, discuss the data integration challenges in developing Mashup applications. **2+2+6**
(b) Discuss the advantages and disadvantages of developing a site using an open source content management system. **10**

6. Answer *any four* from the following. **4 * 5 = 20**
 - (a) Write a short note on Open Journal System.
 - (b) Briefly, discuss the special community information services.
 - (c) Briefly, discuss the differences between a portal and a website.
 - (d) Write a short note on an online host.
 - (e) Briefly, discuss the differences between a *software agent* and an *object*.