Indian Statistical Institute
Documentation Research and Training Centre

M.S. in Library and Information Science
Semester III Final Exam. (2021-2023)

Paper – 12 : CONTENT MANAGEMENT SYSTEMS

Date: 21.11.2022

Max Marks: 100
Time: 3 hours

Answer any five questions.

1. (a) What is a *Content Management System* (CMS)? Discuss the reasons behind many content management solutions. Discuss the document management and digital asset management systems along with their basic differences. [2+2+6]
(b) Discuss the essential criteria you would follow for evaluating a CMS software tool.
[10]

2. What is a Community Information Service (CIS)? Discuss with an example the steps you would follow to design a CIS in a public library. [2+18]

3. (a) What is Drupal? Describe the salient *features* of Drupal. [2+8]
   (b) Discuss the advantages and disadvantages of developing a Website using an open-source content management system. [10]

4. (a) What is a software agent? Briefly, describe the key *characteristics* of a software agent. Briefly discuss the *key notions* that differentiate an agent from an arbitrary program. [2+4+4]
   (b) What is personalization? Describe the profile based and behaviour based personalization with examples. [2 + 8]

5. (a) What is a portal? Discuss its usefulness in an information rich society. [4+6]
   (b) Discuss the data integration challenges in developing a mashup application. [10]

6. Answer *any four* of the followings: [4 x 5 = 20]
(a) Briefly, describe a Multi-agent System.
(b) Briefly, discuss the various types of mashup.
(c) Write a short note on the expert system.
(d) Briefly, discuss the need for CIS.
(e) Briefly, describe Open Journal System.