

- (v) What are three important branches of 'Artificial Intelligence'?
- (vi) Who coined the term 'Information Retrieval' ?
- (vii) Which one comes first in the continuum Knowledge or wisdom ?
- (viii) Who first pointed that only 'electric' in pure information ?
- (ix) Define 'purposeful system'.
- (x) Define 'Information Economics'

**M.Lib./Sem IV/13**

**Master of Library & Information  
Science (Semester IV)  
Examination, 2007-08**

**LIBRARY & INFORMATION SCIENCE**

**Paper : XIII**

**Information Science and Knowledge  
Management**

**Time : Three Hours**

**Full Marks : 70**

*(Write your Roll No. at the top immediately on the  
receipt of this question paper)*

**Note:** Marks for questions in each section are indicated.

**SECTION - A**

**Note:** Long Answer Type Questions. Answer in approximately **500** words. Each question carries **15** marks.

**1.1** Explain the term 'Representation of Information'. Also describe the role of sign, symbol signals and language in representation of information.

**OR**

**1.2** Discuss the role of information in the transformation of a society. Explain the characteristics of information society.

**2.1** What is a system ? Explain its different types. Discuss systems theory with the help of any General System theory Model.

**OR**

**2.2** Explain Profession and also discuss the ethics of any profession. Mention the characteristics of information profession.

**SECTION - B**

**Note:** Short Answer Type Questions. Answer in approximately **250** words. Each question carries **10** marks.

**3.1** Explain 'Expert System'.

**OR**

**3.2** Highlight the barriers of information communication.

**4.1** Define the Term 'information' as given by various subject specialists.

**OR**

**4.2** Discuss the relation of Information science with other subjects.

**5.1** Explain the Term 'Knowledge Management' and mention different types of knowledge.

**OR**

**5.2** Explain any four methods used in information science for its conceptual and theoretical development.

**SECTION - C**

**Note:** Objective Type Questions. Answer may be in one word or one to three sentences. Each question carries **1** mark.

**6.** Answer the following :

- (i) Policy making information is essential for which level of managerial staff.
- (ii) Who categorised communication channel into formal and informal ?
- (iii) The coming of Post-industrial society is written by whom ?
- (iv) Who selforth the fundamental equation of information Science  
 $K(S) + \Delta I = K(S + \Delta S)$