

THE OPEN UNIVERSITY OF SRI LANKA  
 INFORMATION STUDIES UNIT  
 BA IN LIBRARY AND INFORMATION STUDIES  
 FINAL EXAMINATION – 2023/24  
 LEVEL 5 (SEMESTER II)  
 HSU5607- ADVANCED LIBRARY AUTOMATION



DURATION: 3 hours

Date: 27.01.2024

Time: 1.30pm-4.30pm

Instructions

Index No:/Reg. No:

Answer only **five (05)** questions  
 All questions carry equal marks

1. i. Define, What is an integrated library management system. (05 marks)  
 ii. Discuss five advantages of having an integrated library system in the library giving examples? (15 marks)
2. i. What do you mean by MARC? Explain (05 marks)  
 ii. Give five (05) advantages of using MARC records to automate library collection? (05 marks)  
 iii. Identify and describe the basic terms denoted by P, Q, R, S in the following MARC record (10 marks)

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3. Briefly explain the application of Open-source software (OSS) for the success of modern library operations. Support your answer with suitable examples. (20 marks)
4. i. Discuss the different types of Automated Data Collection (ADC) technologies that are used to collect data in an automated library? (10 marks)  
 ii. Explain the benefits of automated data collection with suitable examples? (10 marks)

5. Assume a library is automated using integrated library management software. While checking out a book to a patron, the system denied the check out.
- i. Identify four potential reasons for the above phenomena. (10 marks)
  - ii. Propose solutions to the problems you identified in question 5 (i) (10 marks)
6. Explain the strategies that should be followed during the process of data migration from one automated library management system to another system. (20 marks)
7. "The process of installing, customizing and upgrading open-source library management software is a major challenge for librarians". Explain main challenges with suitable examples. (20 marks)
8. Explain five important criteria that should be considered in evaluating an integrated library management software with suitable examples. (20 marks)
9. Write short notes for any four (04) of following topics
- i. Z39.50
  - ii. Domain Name System
  - iii. Ring topology
  - iv. Data transmission modes
  - v. Network Hub
  - vi. Relational Database Management System (5X4=20 marks)