

THE OPEN UNIVERSITY OF SRI LANKA  
 INFORMATION STUDIES UNIT  
 FACULTY OF HUMANITIES AND SOCIAL SCIENCES  
 BA (HONS) IN LIBRARY AND INFORMATION STUDIES  
 FINAL EXAMINATION – 2024/2025  
 LEVEL 5 (SEMESTER II)  
 HSU5607: ADVANCE LIBRARY AUTOMATION



**DURATION: THREE (03) HOURS ONLY**

**Date: 01.03.2025**

**Time: 1.30pm - 4.30pm**

**Instructions**

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

- 1
  - i. Briefly describe these terms  
 'Field', 'Indicators', 'Delimiter' and 'Sub field code' used in the  
 MARC record with suitable examples. 10 marks
  - ii. What are the key benefits of using MARC standard in cataloging  
 and information retrieval? Discuss in detail. 10 marks
- 2
 

Give two (02) methods followed for migrating data between  
 library management systems, and discuss in detail the key  
 advantages and challenges of each approach? 20 marks
- 3
 

"Free and Open-Source Software (FOSS) has gained significant  
 popularity in automating libraries in Sri Lanka."  
 Discuss this statement with relevant examples, highlighting the  
 benefits and impact of FOSS in library automation. 20 marks
- 4
  - i. Explain the significance of needs assessment in the library  
 automation process. 10 marks
  - ii. Discuss the key areas that should be considered when  
 conducting a need assessment for library automation. 10 marks

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| 5 | Explain the six major phases of the System Development Life Cycle (SDLC) and their significance in the development and implementation of library automation system.   | 20 marks            |
| 6 | Identify five (05) major barriers faced by public librarians in Sri Lanka when automating their library functions, and explain how these challenges impact the automation process?  | 20 marks            |
| 7 | i. List down any five (05) modules that are available on Koha Integrated Library Management System.<br>ii. Choose any three (03) modules that you listed above and explain the features available in these modules.                       | 5 marks<br>15 marks |
| 8 | i. What is a computer network? Define using authorized definition.<br>ii. Discuss three (03) different types of network topologies that can be used to develop a computer network, highlighting the advantages and disadvantages of each. | 5 marks<br>15 marks |
| 9 | Write short notes for <u>any four (04)</u> of following topics<br>i. IP Address<br>ii. WAN (Wide Area Network)<br>iii. IP Address<br>iv. RFID technology<br>v. Database Management System<br>vi. Router                                   | 5x4=20marks         |