

THE OPEN UNIVERSITY OF SRI LANKA
INFORMATION STUDIES UNIT
FACULTY OF HUMANITIES AND SOCIAL SCIENCES
BA DEGREE IN LIBRARY AND INFORMATION STUDIES
FINAL EXAMINATION LEVEL 5 (SEMESTER II) – 2018/2019
HSU5607 – ADVANCED LIBRARY AUTOMATION



DURATION: THREE (03) HOURS ONLY.

Date: 21st July 2019

Time: 01.30pm – 04.30pm

Instructions:

- Answer only five (05) questions.
 - All questions carry equal marks.
1. a. What is a technological system in terms of library automation environment?
(06 Marks)
b. Describe a Library automation system briefly. (06 Marks)
c. Explain four (4) techniques/tools used for library automation system
designing process. (08 Marks)
 2. a. What are the advantages and disadvantages of RFID (Radio Frequency
Identification Device) in library automation? (10 Marks).
b. Explain the working principles in library RFID security gate? (10 Marks)
 3. a. Explain why library system migration is needed from time to time ?
(10 Marks)
b. “Data migration from one library management system to another system
is a great challenge for a library” Explain this statement with examples.
(10 Marks)
 4. a. What are the challenges associated with choosing Koha library
management system for the school libraries. (10 Marks)
b. List the features of Circulation and Cataloguing modules in a typical
library management system (10 Marks)
 5. “Installation and customization of library management system is not an
issue but implementation and maintenance of library management system is a
challenge”
 - a. Briefly state your opinion regarding the above statement. (10 Marks)
 - b. Koha software requires few other software applications to make it fully
functional. List five such software applications. (10 Marks)

6. Local Area Network is essential in implementation of library management system.
 - a. Draw a simple Local Area Network (LAN) for library setup. (05 Marks)
 - b. Explain briefly the role of a Router device in LAN network. (05 Marks)
 - c. List communication layers of ISO network model. (05 Marks)
 - d. What is FTP Protocol? Explain.(05 Marks)

7.
 - a. What is Open Source software? Explain (05 Marks)
 - b. List four (4) Open Source library applications other than Koha Library Management System. (08 Marks)?
 - c. What are the advantages of using Open Source Software for library automation? (07 Marks)

8.
 - a. What is MARC21? Describe in brief. (05 Marks)
 - b. What are the advantages of MARC21 in Library Management System? (07 Marks)
 - c. List eight (8) MACR21 tags and fields (08 Marks)

9. Write short notes on any four (4) topics (05 Marks each)
 - a. Z39.50
 - b. QR Code
 - c. Barcode
 - d. TCP/IP
 - e. Network Switch
 - f. OCR

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