

THE OPEN UNIVERSITY OF SRI LANKA
 INFORMATION STUDIES UNIT
 BA IN LIBRARY AND INFORMATION STUDIES
 FINAL EXAMINATION – 2022
 LEVEL 5 (SEMESTER II)
 HSU5607 – ADVANCED LIBRARY AUTOMATION



DURATION: 03 HOURS ONLY.

Date: 03.12.2022

Time: 1.30pm-4.30pm

Instructions:

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

1. i. Define automation on your own words? (05 marks)
 ii. Describe the three human interactions in relation to circulation module of a library management system known to you. (15 marks)
2. i. What do you mean by system change over? Explain (08 marks)
 ii. Briefly describe the strategic steps of implementation of automation system in a library of your choice. (12 marks)
3. Discuss the common impact of library automation, has brought in relation to student user community. (20 marks)
4. i. Why do you need to conduct a need assessment for library automation? Discuss with three reasons. (10 marks)
 ii. How does ICT infrastructure affect the need assessment of library automation, explain five ways giving examples. (10 marks)
5. i. What is System Development Life Cycle? Draw the diagram (05 marks)
 ii. Describe each phase briefly stating importance of each step. (10 marks)
6. i. Briefly introduce what is a Library Management Software. (05 marks)
 ii. What are the evaluation criteria you follow in evaluating library automation software? Explain briefly. (15 marks)
7. i. What do you understand by the phrase 'free and open-source software'? Explain briefly with examples. (05 marks)
 ii. Explain how Free/Open Source Software (FOSS) have benefitted the library system management in Sri Lanka. (15 marks)

8. i. Explain what is data migration in library automation? (04 marks)
i. Discuss three (3) challenges faced during the library data migration. (06 marks)
ii. What are your proposals/suggestions to resolve those issues? Explain (10 marks)

9. Write short notes on 04 of the following topics:

- i. RFID technology
- ii. z39.50
- iii. Biometric Authentication (BA)
- iv. Application of DBMS (database management system)
- v. MARC records
- vi. Security Gate

(05x4=20)