

AU-6413  
**M.Lib.I.Sc. (First Semester) Examination, 2014**  
**Information Technology: Application (Theory)**

Paper: Second  
Time Allowed: Three Hours  
Maximum Marks: 60

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## **Model Answer**

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### **(Section-A)**

#### Question 1: **Objective Type question**

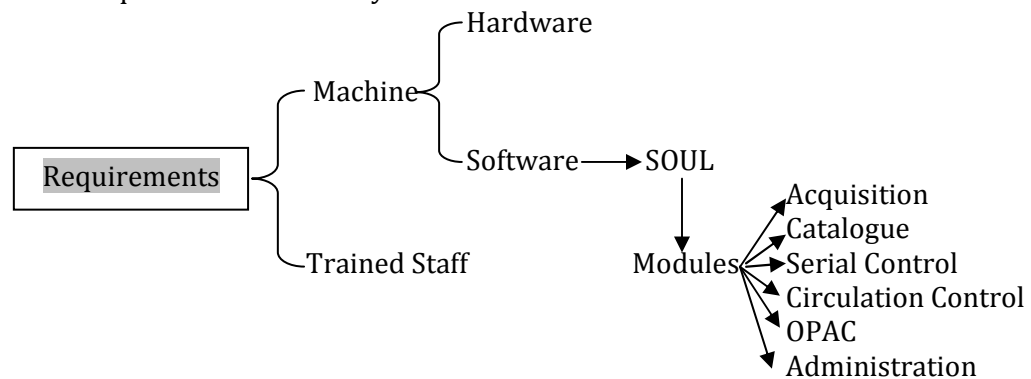
- I. INFLIBNET headquarters is located at:  
**Answer: (a) Ahmadabad**
- II. CCF stands for:  
**Answer: (a) Common Communication Format**
- III. In the context of ISDN the BRI is stand for... **Basic Rate Interface.**
- IV. How many layers are in TCP/IP model?  
**Answer: (a) 4**
- V. The function of Data link and Physical layer of OSI model is same which of the following layer:  
**Answer: (d) Network Access**
- VI. The .....SMTP.....protocols is used to electronic mail across the internet.
- VII. What is a bug?  
**Answer: (c) Error in a Programme**
- VIII. OCR is stand for .....**Optical Character Recognition**.....
- IX. GSDL was developed at:  
**Answer: (c) University of Waikato, New Zealand**
- X. DSL is stand for.....**Digital Subscriber Line.**

## Section-B

Question 2: **Discuss the process of library Automation through SOUL software.**

**Answer:**

- Introduction
- Origin of Library Automation
- Concept and Definition
- Need for the Automation of Library
- Objective of the Automated Library
- Planning for Library Automation
- Proposal for Library Automation
- Basic Requirements of Library Automation



- Implementation of Library Automation
- Conclusion

Question 3: **Write an essay on the implementation of digital library.**

**Answer:**

- Introduction with origin about Digital Library
- Need of the digital Library
- Objectives of the digital library
- Planning of digital library
- Proposal for library digitization

- Basic requirements for the digital library
  - Hardware-** Computer system, Good quality of Scanner, Digital video camera, Barcode reader, Storage medium, etc.
  - Software** –Green stone, D-space etc.

- Implementation of digital library with essential steps
- Training to library staff to handle the digitized material
- Impact of digital library
- Advantages of digital library
- Conclusion

Question 4: **Describe the scholarly Communication with concept and meaning.**

**Answer:**

- Introduction with origin
- Concept of scholarly communication
- Definition of scholarly communication
- Requirements of scholarly communication

- Objectives of scholarly communication
- Methods of scholarly communication
- Relevant Examples
- Conclusion

**Question 5: What do you understand by digital library? Describe its objectives and function in detail.**

**Answer:**

- Introduction
- Historical Background of Digital Library
- Concept
- Definition
- Objectives and Functions of Digital Library
- Features of Digital Library
- Scope of Digital Library
- Impact of Digital Library on the users
- Conclusion

**Question 6: Elaborate the OSI network Model and TCP/IP reference model.**

**Answer:**

- Introduction
- Origin of TCP/IP reference model
- Concept of TCP/IP reference model
- Working process of TCP/IP reference model
- Difference between OSI and TCP/IP layers



- Layers with Various Function
- Conclusion

**Question 5: Write an essay on the open sources software with its types and use.**

**Answer:**

- Introduction
- Historical Background of opens sources software
- Concept
- Definition
- Objectives and Functions of opens sources software
- Features of opens sources software
- Scope of opens sources software
- Impact of opens sources software on the users
- Conclusion

**Question 8: Short notes on any four of the following:**

**Answer:**

**(i) Joomla**

- Introduction and brief description about following:
- Concept
- Features,
- Utilization in library
- Impact on the users.

**(ii) Open Sources Software**

- Introduction and brief description about following:
- Function and Features,
- Types of OSS
- Utilization of OSS in library,
- Impact on the users.

**(iii) ISDN**

- Introduction and brief description about following:
- How it work
- Types of ISDN
- Need and Function
- Conclusion

**(iv) SPARC**

- Introduction and brief description about following:
- Concept
- Features
- Need

**(v) Hypertext and Hyperlink**

- Introduction and brief description about following:
- Origin
- How it works
- Difference between Hypertext and hyperlink
- Use of Hypertext and hyperlink
- Need in the designing and development of home page.
- Conclusion

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