

2016/ODD/15/37/LIS-105(C)/416

PG Odd Semester (CBCS) Exam., December—2016

LIBRARY AND INFORMATION SCIENCE

(1st Semester)

Course No. : LIS-105(C)

(Information Communication Technology)

Full Marks : 75

Pass Marks : 30

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. Define information technology. Explain the components of information technology.

5+10=15

2. What is computer technology? Explain the generation of computers with examples.

5+10=15

(2)

UNIT—II

3. What are the types of memories available in the computer system? How are they organized in a hierarchy? 8+7=15
4. What is an operating system? Explain the functions of an operating system. 5+10=15

UNIT—III

5. What are the different types of application software? Give some examples of library management softwares developed in India. 7+8=15
6. Define DBMS. Discuss the important features of relational database management systems. 5+10=15

UNIT—IV

7. With the help of diagrams, explain various topologies used to connect computers in a network. 15
8. Discuss the advantages and disadvantages of computer networks. 15

(3)

UNIT—V

9. Explain the concept of library consortia. Discuss the recent developments in library consortia in India. 7+8=15
10. Write short notes on any two of the following : 7½×2=15
- (a) INFLIBNET
- (b) RLIN
- (c) Library network
- (d) E-resources

2015/ODD/15/37/LIS-105(C)/612

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(Information Technology)

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Pass Marks : 30

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for the questions*

Answer **five** questions, choosing **one** from each Unit

UNIT—I

1. Define the term 'computer'. Explain the characteristics of a computer. 5+10=15
2. What do you mean by volatile memory? Explain the functions of volatile memory. 5+10=15

UNIT—II

3. What are pointing devices? Discuss some of the commonly used pointing devices. 5+10=15
4. Write an essay on 'Windows versus Linux'. 15

UNIT—III

5. What do you mean by word processing? Explain the features of word processing softwares taking one example each from commercial software and open source software domain. $5+10=15$

6. Discuss the important features of spreadsheet and presentation softwares with examples. $7\frac{1}{2}+7\frac{1}{2}=15$

UNIT—IV

7. Explain the significance of 'protocols' and 'standards' in computer networking. 15

8. Write an essay on 'communication media'. 15

UNIT—V

9. What do you mean by Bibliographic Utility Network? Discuss about any two popular bibliographic utility networks. $5+10=15$

10. Write short notes on any *two* of the following : $7\frac{1}{2}\times 2=15$

(a) INDEST Consortium

(b) OCLC

(c) Library Network

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 - (b) OCLC
 - (c) Library Network

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PG Odd Semester (CBCS) Exam., December—2014

LIBRARY AND INFORMATION SCIENCE

(1st Semester)

Course No. : LIS-105(C)

(Information Technology)

Full Marks : 75

Pass Marks : 30

Time : 3 hours

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for the questions*

UNIT—I

1. Explain the meaning of the term 'information technology'. Discuss the scope and objectives of information technology. 7+8=15

OR

2. Describe the basic components of a computer system and explain their role in its working. 15

UNIT—II

3. Explain the significance of different types of computer storage media and indicate their use. 15

OR

4. Define algorithm and flowchart with examples. Mention the advantages of flowchart. 10+5=15

(Information Technology)
UNIT—III

5. What is application software? Discuss the various types of application software with example. 5+10=15

OR

6. Define database management system. Explain the hierarchical database model. 7+8=15

UNIT—I

UNIT—IV

7. With the help of diagrams, explain the various network topologies used to connect computers in a network. 15

OR

8. What do you understand by TCP/IP? Describe with diagram the functions of TCP/IP protocol layers. 7+8=15

UNIT—V

9. Explain the concept of consortia and discuss the activities of UGC-INFONET consortium. 5+10=15

OR

10. Write short notes on any three of the following : 5×3=15
- INFLIBNET
 - Library Network
 - RLIN
 - DELNET
 - CSIR e-Journals Consortium
