MASTER of LIB. & INFO. SC.
FIRST SEMESTER
Foundations of Computer & Information Technology
MLS - 103

Duration: 3 Hrs.   Marks: 70

Part : A (Objective)   = 20
Part : B (Descriptive) = 50

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.   Marks: 50

[*Answer question no. One (1) & any four (4) from the rest*]

1. What is Memory System? Explain   the different types of Memory with   2+8=10
    examples?.

2. Define Information and Communication Technology (ICT). What are the   2+8=10
    different generations of computer?

3. What is Data base? How database in are helpful in Library and   2+8=10
    information centers.

4. What do you mean Library Networking? What are the benefits of   2+3+5
    Library Networking with examples.   =10

5. What is topology of networking? Explain the different types of topology   2+3+5
    with diagram.   =10

6. Briefly explain the significance of different types of computer storage   10
    media and indicate their use.

7. What is number system? What are the different types of number system   2+3+5
    explain with examples.   =10

8. Short notes: *(any two)*   5+5=10

    a.   Operating system
    b.   Classification of computer
    c.   Desk Top Publishing
    d.   Application Software

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[PART-A : Objective]

Choose the correct answer from the following :   1×20=20

1.   Which among the following is free Audio book site ?
   a. Ebrary
   b. Virtua
   c. Librivox
   d. Google Books

2.   Template is a
   a. Structured specification
   b. Recursive routine
   c. Assembler program
   d. I/O measure

3.   In the world wide web, name the acronym that describes the internet address of a file
   a. ULA
   b. RELUR
   c. URI
   d. URL

4   User-friendly interface caters to

   (i) Human-computer Interaction

   (ii) Individual users with customisation

   (iii) Simplify execution of operations

   (iv) Basis for computer-computer interface

   Codes :

   a. (i), (ii) and (iv) are correct.
   b. (i) and (iii) are correct.
   c. (ii) and (iii) are correct.
   d. (i), (iii) and (iv) are correct.

5.   Which of the following is/are not database object(s)?
   a. Tables
   b. Queries
   c. Relationships
   d. Reports

6.   Name a technique used for searching stored data in a database
   a. Boolean operator
   b. Inverting file
   c. Indexing
   d. Binary

7.   Name the storage medium (compatible with speed of CPU) for storing instructions or data temporarily during processing
   a. RAM
   b. ROM
   c. Cache
   d. EPROM

8.   Which of the following is not a language of DBMS?
   a. DDL
   b. DML
   c. PASCAL
   d. PLI

9.   The purposes of Metadata are

   (i) Unique identification

   (ii) Authentication of records

   (iii) Shelf arrangement

   (iv) Shows the collection of a library

   Codes:

   a. (i), (ii) are correct
   b. (ii), (iii) are correct
   c. (iii), (iv) are correct
   d. (iv), (i) are correct

10. Protocol means................
   a. Interchange of data between two devices
   b. Interchange of data between two computers
   c. Linkage between two computers
   d. Linkage between two devices

11. Transistors were used in which generation of computers ?
   a. First generation
   b. Second generation
   c. Third generation
   d. None of the above

12. Linux is an example of
   a. Application software
   b. System software
   c. Library software
   d. All of the above

13. Use of integrated circuits was made in
    a. First Generation Computers
    b. Second Generation Computers
    c. Third Generation Computer
    d. Fourth Generation Computers

14. Computer Memory is measured in
    a. Bytes   c. Megabytes
    b. Kilobytes   d. All of the above

15. Arrange the following chronologically according to their use in computers :
    (i)   Vacuum tube
    (ii) Microchip
    (iii) Integrated circuits
    (iv) Transistors
    Codes :
    a. (i), (iii), (ii), (iv)
    b. (i), (ii), (iii), (iv)
    c. (i), (iv), (iii), (ii)
    d. (ii), (iv), (iii), (i)

16. What is a bug?
    a. Computer Virus
    b. Error in Computer Configuration
    c. Error in a Programme
    d. None of these

17. ASCII has how many codes?
    a. 256   c. 265
    b. 526   d. 254

18. Windows NT is the name of
    a. Cable TV
    b. Network
    c. A Computer Operating Sytem
    d. An On-line database

19. Identify the correct order of evolution of computers :
    a. PC-XT, PC-AT, Main frame, Micro
    b. PC-AT, PC-XT, Main frame, Micro
    c. Micro, PC-AT, PC-XT, Main frame
    d. Main frame, Micro, PC-AT, PC-XT

20. In which of the following network topologies, all the computers are connected to a central computer
    a. Ring
    b. Star
    c. Bus
    d. Peer to Peer

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA

[PART (A) : OBJECTIVE]

Duration : 20 Minutes

Serial no. of the main Answer sheet

Course : _____

Semester : _____ Roll No : _____

Enrollment No : _____ Course code : _____

Course Title : _____

Session : _____2017-18_____ Date : _____

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Full Marks	Marks Obtained
20	

Scrutinizer's Signature   Examiner's Signature   Invigilator's Signature