MASTER OF LIBRARY AND INFORMATION SCIENCE
First Semester
FOUNDATIONS OF COMPUTER AND INFORMATION TECHNOLOGY
(MLS - 103)

Duration: 3Hrs.

Full Marks: 70

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

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

I. Answer any *five* of the following questions:

10×5=50

1. Give a definition of ICT. Write in details the overwhelming influence of ICT in different sectors of service industries and higher education. 5+5=10

2. What is Information Literacy? What are the impacts of IL? 5+5=10

3. What is an Operating System? Explain with examples. 3+7=10

4. What is Software? What are its types? Elaborate with examples. 3+2+5=10

5. What is a Database? Explain DBMS. 4+6=10

6. What is Internet? Write the applications of Internet in LIS. 4+6=10

7. What is a satellite? What are the advantages of satellite communication?

    4+6=10

8. How does Wireless LAN (WLAN) differ from LAN? List the advantages and disadvantages of WLAN. 5+5=10

9. Differentiate between Complier and Interpreter.   10

                                    or

'The emerging Information Communication Technologies have intruded into
professional activities of contemporary libraries.' In this context, discuss the
skills required by professionals to meet the challenges.   10

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Duration: 20 minutes   **Marks – 20**

(PART A- Objective Type)

I. Choose the correct answer: **1×20=20**

1. "Yahoo", "Infoseek" and "Lycos" are _____?

    a. Search Engines   c. News groups

    b. Browsers   d. None of the above

2. What does the .com domain represents?

    a. Education domain   c. Network

    b. Commercial domain   d. None of the above

3. In Satellite based communication, VSAT stands for?

    a. Very Small Aperture Terminal   c. Very Small Analog Terminal

    b. Varying Size Aperture Terminal   d. None of the above

4. Outlook Express is a _____

    a. E-Mail Client   c. Search Engine

    b. Browser   d. None of the above

5. A homepage is _____

    a. an index of encyclopedia articles   c. required for access to the Internet

    b. where all Internet data is stored   d. the first page of a website

6. Which of the following is used to explore the Internet?

    a. Browser   c. Clipboard
    b. Spreadsheet   d. Draw

7. What is an ISP?

    a. Internet System Protocol   c. Internet Service Provider

    b. Internal System Program   d. None of the above

8. Which of the following are examples of OS Software (circle the examples of OS Software).

   a. MS DOS   c. Mackintosh   d. IBM

   b. Apple   e. Windows

9. Where would you find the letters QUERTY?

   a. Mouse   c. Numeric Keypad

   b. Keyboard   d. Joystick

10. What input device can be used for marking a multiple choice test?

    a. Mouse   c. Optical mark reader

    b. Bar code reader   d. Monitor

11. Which parts of the computer perform arithmetic calculations?

    a. ALU   c. Logic bus

    b. Registers   d. DMA

12. Which generation of computer developed using integrated circuits

    a. Second generation   c. Third generation.

    b. First generation   d. Fifth generation

13. Which one of the following is a term for an audio or video recording posted on a web site that can be downloaded and played later?

    a. Podcast   c. RSS

    b. Blog   d. VoIP

14. Which one of the following describes a computer's operating system?

    a. Software that controls the allocation and usage of hardware.

    b. Hardware that can scan and convert photographs into digital files

    c. Software that can retrieve information from a database

    d. Hardware that can record and send images across the Internet

15. Which one of the following can output the results of work done on a computer?

    a. Scanner.   c. Joystick

    b. Touchpad   d. Printer

16. Which one of the following describes operating system software?

   a. Software to control the allocation and usage of hardware resources.

   b. Software to carry out spreadsheet calculations.

   c. Software to operate virus-scanning procedures.

   d. Software to manipulate databases.

17. Which one of the following devices typically has the largest storage capacity?

   a. USB flash drive   c. DVD

   b. Internal hard disk   d. CD-ROM

18. Which one of the following is the reason that users should log on with a username and password?

   a. To be aware of who is in the building

   b. To check up on the time-keeping of users

   c. To protect computers on a network against unauthorised use

   d. To enable a personalized greeting for each user

19. The Internet uses the .... as the protocol engine.

   a. SLIP   c. TCP/IP

   b. HTTP   d. PPP

20. A........................... is a symbolic name a network administrator assigns to a machine.

   a. URL   c. IP address

   b. DNS   d. Host name

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