



LBS CENTRE FOR SCIENCE & TECHNOLOGY
DCA I SEMESTER REGULAR/SUPPLEMENTARY EXAMINATION JANUARY 2020
DCA2K17 101 - INFORMATION TECHNOLOGY

Time: 2 Hrs.

Max. Marks: 100

PART A (Answer all questions)

I Choose the correct answer (Each question carries 1 mark)

1. Which protocol provides Email facility among different hosts?
a) FTP b) SMTP c) SNMP d) TELNET
2. The stored program concept was developed by
a) Charles Babbage b) John Von Newman c) Blaise Pascal d) Herman Hollerith
3. An optical input device that interprets pencil marks on paper is
a) Magnetic tape b) Hard disk c) OMR d) Punch card reader
4. A wireless technology used for exchanging data over short distance is
a) USB b) Blue tooth c) Modem d) Hub
5. Computer port is used to communicate
a) hard disk b) downloading file c) computer peripherals d) uploading files
6. DNS stands for
a) Distribute name system b) Data name system
c) Domain name system d) Dynamic name system
7. Which is the high speed memory used in the computer
a) RAM b) Cache c) Hard disk d) Bus
8. Which is the device that converts computer output into a form that can be transmitted over a telephone line
a) Port b) Multiplexer c) Concentrator d) Modem
9. Which of the following is an Operating System
a) MS Word b) MS Excel c) MS Windows d) MS Access
10. Which of the following is a volatile memory
a) RAM b) ROM c) Hard disk d) Floppy Disk

[10 x 1 = 10]

Fill in the blanks (Each question carries 2 marks)

- 11) COM stands for
- 12) Computer Software is classified into &

- 13) is an optical disk
- 14) A memory that requires refreshing of data is
- 15) is a program that translate mnemonic statements into executable instructions.
- 16) is a multiuser operating system
- 17) Fifth generation computers are based on
- 18) and are wireless communication media
- 19) is a socket on the motherboard that is used to insert an expansion card
- 20) HTTP stands for **[10 x 2 = 20]**

PART B

II Answer any FIVE questions from the following. (Each question carries 6 marks)

1. Explain any three pointing devices
2. Write short notes on Firewall & Cloud computing
3. What are the different classifications of ROM ? Explain
4. Write short notes on Software piracy
5. What is Scanner ? Explain with examples.
6. What is single user and multi user operating systems ? Explain
7. Distinguish between sequential and direct access storage devices
8. Briefly explain different network topologies? **[5 x 6 =30]**

PART C

III Answer any FOUR questions from the following. (Each question carries 10 marks)

1. Explain the organization of a computer system with a neat diagram
2. Explain different computer networks
3. What is operating system? What are the functions of operating system? Explain
4. Explain any 4 applications of Information Technology?
5. Explain different classifications of printers with examples.
6. Explain any 2 magnetic disk storage devices. **[4 x 10=40]**