

LBS CENTRE FOR SCIENCE & TECHNOLOGY

PGDCA I SEMESTER REGULAR/SUPPLEMENTARY EXAMINATION –JANUARY 2020

L 101 INFORMATICS

PART A

Time: 3 Hrs.

Max. Marks: 100

- I Answer ALL questions in one or two sentences. (Each question carries 1 mark.)
 - 1. What is stored program concept?
 - 2. What is the main difference between analog and digital computers?
 - 3. What is OMR?
 - 4. What is light pen?
 - 5. Why DRAM requires refreshing?
 - 6. What is graphics card ?
 - 7. What is IP address?
 - 8. What is peer to peer network model?
 - 9. What is DFD?
 - 10 What is the full form of SDLC?

[10 x 1=10]

PART B

II Answer any TEN questions from the following. (Each question carries 3 marks)

- 1. What are the different characterestics of computers.
- 2. Briefly explain the different types of software.
- 3. What is the difference between compiler and interpreter.
- 4. Explain the following devices:
 - (1) Joy stick (2) Bar code reader.
- 5. Explain the working principle of laser printer.
- 6. Explain different types of plotters.
- 7. Explain the working of CD drive.
- 8. What is chipset?
- 9. What are the functions of SMPS?
- 10. Explain the different modes of communication.
- 11. Explain star topology and bus topology.
- 12. What is DNS? Explain briefly.
- 13. Compare LAN and WAN.
- 14. Explain black box testing.
- 15. Explain the factors that decides software quality.

[10 x 3=30]

PART C

III Answer any FIVE questions from the following. (Each question carries 12 marks)

- 1. Explain the different generations of computers.
- 2. What is Operating System? Explain different types of OS.
- 3. Briefly explain the different types of input devices.
- 4. Explain the classification of printers.
- 5. Briefly explain the different types of Secondary storage devices.
- 6. Explain the different types of ROM.
- 7. Explain the different transmission media.
- 8. Explain the various connectivity devices.
- 9. Explain the different software quality standards.
- 10. Explain water fall model and spiral model?