

Roll No. 223112320007
Hori

Exam Code : D-22

Subject Code—58389

B.Sc. EXAMINATION

(Main/Reappear) (Batch 2018 Onwards)

(First Semester)

COMPUTER APPLICATIONS

CCaL-104

Computer Fundamentals and Operating System

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) What do you mean by CPU ? 2
- (b) Explain the working of Laser Printer. 2
- (c) Why is scanner used ? Write its type. 2
- (d) What is the need of RAM in computer ? 2
- (e) What is the basic measuring unit of memory ? Write its various types. 2

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- (f) What do you mean by Recycle Bin ? 2
- (g) Define Icon. Write its types. 2
- (h) Write down the steps to change the desktop background. 2

Unit I

2. What is Computer ? Write its characteristics. What are the features of different generation of computer ? 16
3. (a) What do you mean by number system ? Explain various types of number system. 8
- (b) Explain ASCII code and Unicode. Which is preferred and why ? 8

Unit II

4. What do you mean by input device and output device ? Explain the following input devices : 16
- (a) Keyboard
- (b) Mouse
- (c) BCR
- (d) OMR.

Handwritten notes and numbers:

48 59 71 80 80 00000000

2

5. (a) Why is monitor used in computer ? Write characteristics of a monitor. Explain its types. 10
- (b) Write the differences between Dot Matrix Printer and Daisy Wheel Printer. 6

Unit III

6. (a) Explain Memory Hierarchy. 8
- (b) What do you mean by ROM ? Why is ROM used in Computer ? Explain its types. 8
7. (a) Explain the various data storage and retrieval methods. 8
- (b) Compare Magnetic Disk with Magnetic Tape. 8

Unit IV

8. What do you mean by Operating System ? Is it necessary for a computer system to work ? Write the main functions of operating system. 16

9. (a) Differentiate the following :
- (i) My Computer and My Document 3
 - (ii) File and Folder 3
 - (iii) Single user operating system and
Multiuser operating system. 3
- (b) Why is control panel used in computer ?
What are the different tasks that can be
performed in control panel ? 7