

Roll No.

Exam Code : J-21

Subject Code—52509

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. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) Differentiate between OCR and OMR.
(b) What is CPU ?
(c) Define wait states and access time.
(d) Explain BCD and EBCDIC codes.

(5-13-1-0721) J-52509

P.T.O.

- (e) Define files and folder in windows OS.
- (f) List the CPU Registers.
- (g) Explain light pen.
- (h) What is Refresh Rate ? **2×8=16**

Unit I

- 2. Discuss the characteristics, evolution and generations of computer. **16**
- 3. What is Number Systems ? Explain different types of Number Systems and its conversion to Binary, Octal, Hexadecimal, Decimal with example. **16**

Unit II

- 4. Explain the different types of Printer in detail. **16**
- 5. Discuss the different types of Monitor in detail. **16**

Unit III

- 6. Describe the secondary data storage devices in detail. **16**

- 7. What is Memory in Computer System ?
Explain different types of memories in detail.

16

Unit IV

- 8. (a) Explain the configuring system devices and accessories in windows. **10**
(b) Explain the functions of Desktop, Recycle bin and Windows explorer in detail. **6**
- 9. What is an Operating System ? Explain all the four types of operating systems in detail. **16**