



**M.Sc. DEGREE (FIVE YEAR INTEGRATED) II SEMESTER EXAMINATION IN
PHOTONICS APRIL 2014**

CEL 1204 COMPUTER SCIENCE
(2013 Admissions onwards)

Time : 3 Hours

Maximum Marks : 50

PART A

(Answer *ANY FIVE* questions)

(5 x 2 = 10)

- I. (a) Differentiate system and application softwares with examples.
(b) Write the functions of keyboard controller.
(c) What is meant by machine cycle?
(d) Write a note on Hot Swappable Disks.
(e) Write the performance measures of disk operations.
(f) Explain the characteristics of an algorithm.
(g) Explain the importance of firewalls in an organization.
(h) Write a note on ISDN.
(i) Explain various types of modems.

PART B

(4 x 10 = 40)

- II. Describe different types of printers.
OR
- III. Write short note on:
(i) OCR (ii) Bar Code Reader (iii) Image scanner (iv) Game controller
- IV. (a) Write a note on Cache memories and mention its advantages.
(b) What is meant by SCSI?
OR
- V. (a) Compare RISC and CISC.
(b) Describe various magnetic storage devices.
- VI. What is operating system? Explain different types and functions in detail.
OR
- VII. (a) Define DBMS. Explain different functions in detail.
(b) What is meant by defragmentation?
- VIII. Describe various devices and its functions used in computer networking.
OR
- IX. Write short note on:
(i) www (ii) FTP (iii) Web Browser (iv) URL