

CC : I 4.743

PC 2554-N

U-2/2114

**FUNDAMENTALS OF INFORMATION
TECHNOLOGY-113**

Semester-I

Time Allowed : Three Hours]

[Maximum Marks : 75

Note:- The candidates are required to attempt *two* questions each from Sections A and B and the entire Section C. All questions carry equal marks.

SECTION—A

1. What is a computer generation ? What are the various computer generations ? Discuss in detail the salient features of different computer generations.

2. Explain the characteristics of the following devices :

(a) Mouse

(b) Scanner

(c) Laser Printers

3. Discuss the storage organization of Compact disks and DVD.

4. Differentiate between the following :
- (a) Low-level languages and high-level languages
 - (b) Compiler and Interpreter
 - (c) Application software and System software

SECTION—B

5. What is a binary number ? What are the characteristics of binary number system ? Explain with examples the addition, subtraction and multiplication of binary numbers.
6. What is an Operating System ? Discuss different types of Operating Systems.
7. What is Internet ? Who owns it ? Briefly discuss the evolution of Internet. Lucidly explain the applications of Internet.
8. Discuss the role of IT in education and training and science and technology.

SECTION—C

9. Write short notes on the following :
- (i) CPU
 - (ii) 4GL
 - (iii) Network types
 - (iv) WWW
 - (v) FTP