

K-24/2110

7614/NK

Total No. of sheet used : 01 Total No. of Questions: 09
Subject : Fundamentals of Information Technology
Class : BCA 1st Semester
Paper : BCA-113
Title of Paper : Fundamentals of Information Technology
Time Allowed : 3 Hours
Maximum Marks: 75 MinPass Marks: 35%

Note: Candidates are required to attempt five questions in all selecting at least two questions each from sections A and B. Section C is compulsory.

SECTION A

- Q1. Discuss various generations of computer giving their relative merits and demerits. 15
- Q2. What do you mean by output device? List various output devices you are familiar with? Compare various types of printers giving their relative merits and demerits. 15
- Q3. Discuss the following in brief
- a) Operating system and its functions 05
 - b) Compiler vs interpreter 05
 - c) Features of spreadsheet package 05
- Q4. What do you mean by computer language? What are various types of computer languages? How these are different from each other? 15

SECTION B

- Q5. What are various number systems you are familiar with? Explain the process of converting the binary number to decimal number and vice-versa with the help of an example 15
- Q6. Tabulate the differences among LAN, WAN and MAN. 15
- Q7. What do you understand by information technology? Discuss the role of information technology in business and industry. 15
- Q8. Discuss the following in brief
- a) Mobile internet 05
 - b) Nanotechnology 05
 - c) Social media 05

SECTION C

- Q9. a) What are the drawbacks of computers? 03
- b) Differentiate between volatile and non-volatile memory. 03
- c) Briefly discuss the salient features of word processor. 03
- d) Subtract binary number (1101010) from (110010) using 1's and 2's compliment. 03
- e) What do you mean by multimedia technology? 03