Introduction to Information Technology-111

Sem-I

Time 3hrs   M.M.- 70

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.   Define a computer? What are the characteristics of a computer? Draw a block diagram of computer and explain various components.   10.5

Q2.   What do you mean by binary subtraction? What are various methods of performing binary subtraction? Illustrate each with the help of suitable examples.   10.5

Q3.   What are various optical recognition devices? Discuss the working of any two giving their relative merits and demerits.   10.5

Q4.   What do you mean by memory? What are different types of memories? Discuss in detail.   10.5

SECTION B

Q5.   Differentiate the following
a)   System software vs application software   5.5
b)   Compiler vs interpreter   5.0

Q6.   Write shirt note ion the following
a)   E-mail   3.5
b)   FTP   3.5
c)   Telnet   3.5

Q7.   What is Internet? What are various applications of internet? What are the advantages and disadvantages of internet?   10.5

Q8.   What do you understand by E-commerce? Discuss Various types of e-commerce in detail.   10.5

SECTION C

Q9.   a)   Differentiate between 3rd generation and 4th generation of computers.   04
b)   Discuss the working of joystick in brief.   04
c)   Differentiate between impact and non-impact printers.   04
d)   Define an operating system. List various functions performed by an operating system.   04
e)   Write short note on fourth generation language.   04
f)   Define internet. What are its merits and demerits?   04
g)   What do you mean by multimedia? What are its components?   04