This question paper contains 3 printed pages]

Roll No. ☐☐☐☐·☐☐☐☐☐☐☐

S. No. of Question Paper : **62**

Unique Paper Code : **234151**   E

Name of the Paper : **Computer Application : Computer Fundamentals**

Name of the Course : **B.A. (Programme)**

Semester : **I**

Duration : **3 Hours**   Maximum Marks : **45**

(Write your Roll No. on the top immediately on receipt of this question paper.)

Question paper has two parts.

Part I : Question No. **1** is compulsory.

Part II : Attempt any *three* questions.

Part I

1. (*a*) Write full form of the following :   2

   (*i*)   RAM

   (*ii*) URL

   (*iii*) PC

   (*iv*) ALU

   (*b*) Convert the following number into its binary equivalent :   1

$$(23.456)_{10} = (?)_2$$

(c) Describe the role of operating system in working of a standard computer.　2

(d) What are the major differences between primary memory and secondary memory ?　2

(e) What do you mean by world wide web ?　2

(f) What is the use of Bluetooth Technology ?　2

(g) Name *two* devices that can be used as both input as well as output device for a PC.　2

(h) List any *two* storage devices that are attached to the computer.　2

Part II

2. (a) Explain the role of cache memory.　2

(b) Explain the working of a page scanner.　4

(c) Explain the working of Daisy wheel printer.　4

3. (a) Write a short note on Optical Memory.　3

(b) What do you mean by sequential access ?　2

(c) Perform the following conversions :　5

(i) $(345)_8 = (?)_{16}$

(ii) $(A75)_{16} = (?)_8$

(iii) $(1100101)_2 = (?)_{16}$

(iv) $(1010111)_2 = (?)_8$

(v) $(B7E)_{16} = (?)_2$

4.	(a)	Explain the fetch-execute cycle of computer in detail.					4

	(b)	What is a browser ? Give *two* examples.							3

	(c)	What is the role of search engine ? Name *two* search engines.				3

5.	(a)	What is a system bus ? Explain various types of system bus.				4

	(b)	Describe briefly the WAN transmission technology.					2

	(c)	Describe the main features of a CD-ROM.						4

6.	(a)	What are various network topologies ? Explain any *two* of them in detail.		5

	(b)	What is the use of Network Interface Card (NIC) ?					2

	(c)	List any *three* system utility software present in a standard system.			3