[This question paper contains 2 printed pages.]

Sr. No. of Question Paper : 161   **G**   Your Roll No................

Unique Paper Code   : 234151

Name of the Paper   : Computer Fundamentals

Name of the Course   : **B.A. Programme – Computer Application**

Semester   : I

Duration : 3 Hours   Maximum Marks : 45

Instructions for Candidates

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

2. **PART I** is compulsory.

3. Attempt any **three** questions from **PART II**.

PART – I

1. (a) Name any two search engines.   (2)

     (b) Explain various types of ROM.   (4)

     (c) Briefly describe function of BIOS.   (2)

     (d) How much is 1GB in bytes ?   (1)

     (e) Give an application of MICR.   (1)

     (f) Give the full forms of :   (2)

         (i) DVD

         (ii) WWW

         (iii) USB

         (iv) CPU

(g) Differentiate between LAN and WAN. (3)

PART – II

2. (a) Briefly describe the two CPU registers: MAR an PC. (4)

   (b) What is system bus ? Briefly describe any two system bus. (4)

   (c) Explain the purpose of cache memory. (2)

3. (a) Find the equivalent of the number given on the left hand side in the base given on right hand side. ((4)

   (i) $(101101.01)_2$ = (..........)$_{10}$

   (ii) $(34.5)_8$ = (..........)$_2$

   (iii) $(235)_{10}$ = (..........)$_{16}$

   (iv) $(A4.B)_{16}$ = (..........)$_8$

   (b) Describe the structure and working of magnetic disk. (6)

4. (a) What is the difference between impact and non impact printers ? (2)

   (b) Name any two optical scanner devices. (2)

   (c) Explain the functions of operating system. (6)

5. (a) Describe the Bus, Ring and Star topologies. (6)

   (b) Explain the uses of internet. (4)

6. (a) Explain the different layers of OSI model in networks. (7)

   (b) Differentiate between SRAM and DRAM. (3)