Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

S. No. of Question Paper : **1480**

Unique Paper Code : **62345501**   1C

Name of the Paper : **IT Fundamentals**

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

Application : G-E

Semester : **V**

Duration : **3 Hours**   Maximum Marks : **75**

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

Question No. **1** is compulsory.

Answer any *five* questions from the Section B.

Section A

1. (*a*) Define the following terms :   4

    (*i*) Web Page

    (*ii*) Web Browser.

    (*b*) What are the main functions of an operating system ?   4

    (*c*) Briefly explain different modes of data transmission ? 3

    (*d*) What is the use of RAM in computer system ? 2

    (*e*) Explain the terms entity and relation in database management system.   2

P.T.O.

(f) What do you mean by computer network ?   2

(g) Give full forms of the following :   4.

  (i) OCR

  (ii) BIOS

  (iii) WWW

  (iv) URL.

(h) Write short notes on :   4

  (i) Cache Memory

  (ii) Primary Key.

Section B

2. (a) List and explain different types of scanners.   4

  (b) Explain various components of a computer system with
  the help of block diagram.   6

3. (a) What is ROM ? Differentiate between EPROM and
  EEPROM.   4

  (b) Describe any *three* guided and unguided data
  transmission media used in data communication.   6

4. (a) Explain the functions of any *four* registers used in a
  computer system.   4

  (b) What is system bus ? Explain various types of the
  system bus.   6

5. (a) Write short notes on the following devices :   4

  (i) Touch Screens

  (ii) Joystick.

  (b) Differentiate between the following :   6

  (i) Printer and Plotter

  (ii) Pointing and Picking devices.

6. (a) What is an operating system ? Explain the following
  types of operating system :   5

  (i) Batch Processing Operating System

  (ii) Multiprocessor Operating System.

  (b) Explain the different components of a data
  communication system.   5

7. (a) What are the different types of relationships in a database management system ? Explain with the help of a suitable example.   6

(b) Explain *four* advantages of database management system.   4

8. (a) Describe electronic mail as a way to communicate with other internet users. Also explain its working with the help of an example.   4

(b) Explain LAN, WAN and MAN with a suitable example of each.   6