5369

B.A. Prog. / III   B

(A)
APPLICATION COURSE
Computer Application
(Admissions of 2004 and onwards)

Time : 2 Hours   **Maximum Marks : 40**

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

Note :   The maximum marks printed on the question paper are applicable for the students of Regular colleges. These marks will, however, be scaled up proportionately in respect of the students of Category "B" at the time of posting of awards for compilation of result.

Attempt all questions.

Marks are indicated against each question.

1.   (a)   Draw and explain the block diagram to illustrate the basic organisation of a computer system.   4

(b)   What are registers ? Explain the function of any three registers.   4

(c) Write short notes on any **two** of the following :

    (i) SMPS

    (ii) DIMM

    (iii) Fifth generation of computers   4

2. (a) What is a URL ? Explain briefly different parts of the format of a URL.   4

   (b) Explain any two network topologies with diagram.   4

   (c) Explain the three modes of data transmission with examples.   3

   (d) How many links exist in a fully connected mesh of 10 computers/nodes ?   1

3. (a) For the following database table Employee (Emp.no, Name, address, salary, Date-of-joining) write down the following SQL queries :

    (i) List all the employee names whose date of joining is 1st Jan. 2011

    (ii) Arrange the employee names in the descending order of their salaries.   4

   (b) How does DBMS help in reducing data redundancy and data inconsistency ?   4

4. (a) Explain any four data types used in Visual Basic. **4**

(b) Write VB code for calculating future value of an investment at a given interest rate after a given number of years. The formula for the calculation is

Future Value = Investment amount * (1 + Interest rate) years

Where investment amount is entered in the textbox, "txtinvestment", Interest Rate in the text box, "txtinterest" and years in the text box, "txtyears". The future value should be appeared in the text box, "txtfuture". **4**