ROLL No. _____

LS—162

ANNUAL EXAMINATION, 2014

B. Sc. III

COMPUTER SCIENCE

Paper II

[Computer Software]

Time : Three Hours] **[M. M. : 50**

Note : Attempt all questions. All questions carry equal marks.

UNIT – I

1. What do you mean by Transaction Management ? Explain any two data modeling technique.

Or

What are the various ways through which an existing ER-Schema can be converted to Table ? Explain with the help of example.

P. T. O.

UNIT – II

2. What are various types of Join operations ? What do you mean by Relational Calculus ?

Or

What is normalization ? Write the difference between 3 NF and BCNF.

UNIT – III

3. Write a PL/SQL Program to find factorial of a number.

Or

Create table with following descriptions !

Teacher (**Tid**, Tname, TPhone, TJoindate)

Subject (**Sid**, Sname, Sclass),

Teach (Tid, Sid, Session).

Write query for following purpose :

(i) All teachers teaching in session 2013-2014.

(ii) All teacher teaching B. Sc. III in current session.

UNIT – IV

4. Write difference between the following :

   (i) SDI and MDI,

   (ii) List box and Combo box,

   (iii) Option button and Check box.

Or

What are function and sub routines ? Explain any five string handling functions.

UNIT – V

5. Write down the steps for data base conductivity using ADO control.

Or

What is Data Environment ? How it can be used in creating reports ?

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