

2056  
B.Sc. Data Analytics (FYUP)  
Fourth Semester  
BDAD-402: Relational Database Management System

Time allowed: 3 Hours

Max. Marks: 45

**NOTE:** Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question from each Unit I - IV.

x-x-x

**UNIT - I**

- I. What do you understand by RDBMS? Discuss the twelve rules given by E.F. Codd. (9)
- II. What do you mean by PL/SQL? Explain the advantages of PL/SQL over SQL. (9)

**UNIT - II**

- III. What do you understand by Loop? Explain different types of loops available in PL/SQL. (9)
- IV. What do you mean by cursor? Explain the different types of cursors with suitable examples. (9)

**UNIT - III**

- V. What do you mean by Package? How can you create packages in PL/SQL? (9)
- VI. What do you understand by Function? How you can create functions in PL/SQL? (9)

**UNIT - IV**

- VII. What do you mean by Exception? Explain the different types of exceptions in PL/SQL with suitable examples. (9)
- VIII. What do you mean by Trigger? How can you create and use triggers in PL/SQL? (9)

P.T.O.

(2)

**UNIT - V**

**IX. Write short notes on following:-**

- a) Before Trigger (2)
- b) Procedure (2)
- c) CASE statement (2)
- d) Primary key (1)
- e) LOB (1)
- f) Global variable (1)

**x-x-x**