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SF—60—2022

FACULTY OF COMPTUER STUDIES

B.Sc. (Second Year) (Fourth Semester) EXAMINATION

MAY/JUNE, 2022

(CBCS/Revised Pattern)

COMPUTER SCIENCE

BCS-403

(Relational Database Management System)

(Thursday, 7-7-2022)

Time : 2.00 p.m. to 5.45 p.m.

Time— 3.45 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt any *five* of the following (**3** marks each) : 15

(a) Write a note on SQL commands.

(b) Explain structure of DBMS.

(c) Explain % Rowtype variable.

(d) Explain the concept of constraints in detail.

(e) Write a note on PL/SQL structure.

(f) Explain Altertable with an example.

(g) Write a note on creating table with an example.

2. Attempt any *three* of the following (**5** marks each) : 15

(a) Explain the concept of view with a suitable example.

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- (b) Write a note on tuples.
- (c) Explain advantages of DBMS.
- (d) Write a note on comparison operators.
- (e) Explain Data types in SQL.
3. Attempt any *three* of the following (5 marks each) : 15
- (a) Write a note on cursor with an example.
- (b) Explain the concept of logical operators.
- (c) What is Join ? Explain Equi join in detail.
- (d) Explain order by and Group by clause in detail.
- (e) Explain Multiple Row functions in detail.
4. Attempt any *three* of the following (5 marks each) : 15
- (a) Write a note on subqueries.
- (b) Explain logical operators in detail.
- (c) Explain single row character functions.
- (d) Explain types of Triggers with an example.
- (e) Write a note on column Aliasing.
5. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain % types variable with an example.
- (b) Write a note on Exception Handling.
- (c) Explain the concept of Relational Database in detail.
- (d) Explain user of DBMS.
- (e) What are Triggers ? Explain syntax of Trigger.