

This question paper contains 2 printed pages]

AA—49—2019

FACULTY OF COMPUTER STUDIES

B.Sc. (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

COMPUTER SCIENCE

(Oracle 10g SQL and PL/SQL)

(Monday, 18-11-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— All questions are compulsory.

1. Attempt the following : 20
 - (a) Explain Network Data Model.
 - (b) Explain character manipulation function.
 - (c) Explain self-join.
 - (d) Explain Logical Operator.

2.
 - (a) Write PL/SQL program to print 1 to 10. 7
 - (b) Explain substitution variable in detail. 8

Or

 - (a) Explain structure of PBMS. 7
 - (b) Explain types of triggers. 8

3.
 - (a) Explain date function in detail. 7
 - (b) Explain LIKE and BETWEEN operator. 8

Or

 - (a) Explain Granting and Revoking rules. 7
 - (b) Explain users of DBMS. 8

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4. (a) Explain manipulating table data. 7
(b) What is Join ? Explain left outer join. 8
- Or*
- (a) Explain PL/SQL structure. 7
(b) What is sub-query ? Explain single row sub-query. 8
5. Write short notes on (any *three*) : 5×2=10
- (a) Replacing and dropping triggers.
(b) Object-level privileges.
(c) Data types in SQL.
(d) Advantages and disadvantages of DBMS.
(e) DCL.