

1488 / V

B.C.A. (PART-III) EXAMINATION, 2024-25

[V<sup>th</sup> SEMESTER]

(BCA-502 : ORACLE AND PL/SQL)

Paper : II

1258



Time : Three Hours ]

[Maximum Marks : 70

- Note:** (i) Answer **five** questions in all.  
(ii) Question No. 1 is **compulsory**.  
(iii) Answer remaining **four** questions, selecting **two** from each section 'A' and 'B'.  
(iv) All questions carry equal marks.

1. Answer all parts of the following :
- Define Data integrity.
  - Explain various characteristics of SQL.
  - What is Trigger ? Explain in brief.
  - Write short notes on data Encryption.

**Section-A**

- Explain various procedure and function in Oracle database.
- What is difference between the transaction and schedule ? Explain transaction states and transaction management.

4. Explain the following terms -
  - (a) SQL Supporting Tools
  - (b) Granting and Revoking Privileges
5. Explain the difference between PL/SQL and Oracle. Also write notes on SQL \*plus.

### **Section-B**

6. (a) What is concurrency control in PL/SQL ?  
Write various problems of concurrency control.
  - (b) Explain-Locked based concurrency protocol and Timestamp based concurrency protocol.
7. (a) Draw the client-Server Architecture of SQL.
  - (b) Explain data definition, Data manipulation and various SQL operators.
8. (a) Explain various packages and functions in Oracle.
  - (b) Write short notes on Procedure and functions overloading.
9. Write notes on any two of the following :
  - (a) Audit trail
  - (b) Curson
  - (c) Transaction Recovery and system recovery

