

AR – 626

Sixth Semester B. Sc. (Part – III) Examination

6S : BIOINFORMATICS

Advanced Bio-Computing

P. Pages : 5

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Attempt **Seven** questions in all.
(2) Question No.1 is compulsory and carries **8** marks.
(3) Attempt **Six** questions from rest carrying **12** marks each.

1. (A) Fill in the blanks.

- (i) OOPs stands for _____.
- (ii) _____ command is used to insert row in the table.
- (iii) RDBMS stands for _____.
- (iv) The connection of two or more computers called as _____. 2

(B) Choose correct alternative.

- (i) _____ command make the changes permanent in database.
 - (a) Update (b) Select
 - (c) Alter (d) Drop.

AR-626

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(ii) DML stands for ———.

- (a) Data Manipulation Language
- (b) Data Multiple Language
- (c) Database Manipulate Language
- (d) Definition Manipulate Language

(iii) SQL stands for ———.

- (a) Structure Query Language
- (b) Structural Query Language
- (c) Static Query Language
- (d) Static Question Language.

(iv) ——— is a DML command.

- (a) Create
- (b) Update
- (c) Alter
- (d) Drop.

2

(C) Answer in **one** sentence.

- (1) What is structure ?
- (2) What is object ?
- (3) What is function ?
- (4) What is constructor ?

4

2. (A) What is operator ? Explain relation and logical operator with example. 6

(B) Explain following :—

(1) Simple if.

(2) If — else. 6

OR

(P) What is function ? Explain its syntax in detail. 6

(Q) What is function over loading ? Explain with example. 6

3. Write on :—

(A) Class declaration. 4

(B) Usage of pointers with object. 4

(C) Destructor. 4

OR

(P) Constructor 4

(Q) Hybrid Inheritance. 4

(R) Arrays 4

4. Write on :—

- | | |
|--------------------------|---|
| (A) BCNF. | 4 |
| (B) Architecture of SQL. | 4 |
| (C) DML commands. | 4 |

OR

- | | |
|----------------------------|---|
| (P) Domain. | 4 |
| (Q) DDL commands. | 4 |
| (R) Hierarchical Networks. | 4 |

5. Write on :—

- | | |
|------------------------------|---|
| (A) Block diagram of PL/SQL. | 4 |
| (B) Transactions. | 4 |
| (C) Rollback segment. | 4 |

OR

- | | |
|------------------------------|---|
| (P) Union. | 4 |
| (Q) Commit transactions. | 4 |
| (R) Concatenating functions. | 4 |

6. Write on :—

- | | |
|-----------------------|---|
| (A) GRANT privileges. | 4 |
| (B) User creation. | 4 |
| (C) REVOKE. | 4 |

OR

- | | |
|------------------------|---|
| (P) SQL report format. | 4 |
| (Q) System privileges. | 4 |
| (R) Advanatges of SQL. | 4 |

7. (A) What are modules ? Explain. 6
- (B) What is perl ? How is it installed on computer ? Write its steps. 6

OR

- | | |
|---|---|
| (P) Explain subroutine scoping and subroutine command line arguments. | 6 |
| (Q) How error handling is done in perl ? | 6 |



