

**FOURTH SEMESTER EXAMINATION 2021-22**  
**B.Com. (Computer)**  
**Relational Database Management System**  
**(RDBMS)**

Time : 2.30 Hrs.

Max. Marks : 60

Total No. of Printed Page : 06

Mini. Marks : 21

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dlhft ; sA vdkadk folHktu iR; d [k.M eafn; k x; k gSA

**Note:** Question paper is divided into three sections. Attempt question of all three section as per direction. Distribution of Marks is given in each section.

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**[k.M & ^V\* Section - 'A'**

iR; d bdkbz I snk i'z u gy djuk gA

Attempt two questions from each unit.

10x2=20

vfry?kRrjh; i'z u ¼ kCn I hek 30 'kCn½

Very short type question (Word limit 30 words)

**bdkbz & I / Unit - I**

1. डाटा बेस क्या है ?

What is a database ?

2. DDL को समझाइए।

Explain DDL.

3. डाटा डिक्शनरी क्या है ?

What is a data dictionary ?

## **bdkbz & II / Unit - II**

4. Functional dependencies क्या है ?  
What is Functional dependencies ?
5. RDBMS दूसरे database models से किस प्रकार भिन्न है । समझाइए ।  
Explain how RDBMS is different from other database models.
6. Decomposition क्या है ?  
What is decomposition ?

## **bdkbz & III / Unit - III**

7. De-normalization से आप क्या समझते हैं ?  
What do you mean by de-normalization ?
8. Fifth normal form को लिखिए ।  
Write the fifth normal form.
9. Candidate key क्या है ?  
What is candidate key ?

## **bdkbz & IV / Unit - IV**

10. Oracle में उपयोग होने वाले query language को समझाइए ।  
Explain the query language used in oracle.
11. Integrity Constraint क्या है ?  
What is integrity constraint ?
12. Order by clause को समझाइए ।  
Explain order by clause ?

(3)

### **bdkbZ & V / Unit - V**

13. SQL तथा PL/SQL में अंतर को लिखिए ।  
Write the difference between SQL & PL/SQL.
14. RDBMS में password को कैसे change करते हैं ?  
How do change the password in RDBMS ?
15. PL/SQL में variable तथा constraints को समझाइए ।  
Explain and constraints in PL/SQL.

### **[k.M & ^c\* Section - 'B'**

**I Hkh iz'u gy dhft, A**

**Attempt all questions.**

**5x4=20**

**y?kQrjh; iz'u ¼ kCn I hek 60 'kCn½**

**Short type question (Word limit 60 words)**

### **bdkbZ & I / Unit - I**

16. E-R diagram को समझाइए ।  
Explain E-R diagram.

**vFlOk@OR**

**Specialization तथा Aggregation को समझाइए ।**

**Explain Specialization and aggregation.**

(4)

## **bdkbz & II / Unit - II**

17. BCNF को समझाइए।

Explain BCNF.

**vFkok@OR**

Relational Algebra के role को समझाइए।

Explain the role of Relational Algebra.

## **bdkbz & III / Unit - III**

18. RDBMS को traditional set operation समझाइए।

Explain traditional set operation in RDBMS.

**vFkok@OR**

Fourth normal form को समझाइए।

Explain fourth normal form.

## **bdkbz & IV / Unit - IV**

19. Oracle में उपयोग होने वाले operators को समझाइए।

Explain operators used in oracle.

**vFkok@OR**

(5)

Where clause तथा group by clause को समझाइए ।

Explain where clause and group by clause.

### **बदल & V / Unit - V**

20. PL/SQL में तथा roles तथा privileges के उपयोग को समझाइए ।

Explain the use of roles and privileges in PL/SQL.

**वफ़ोक@OR**

PL/SQL में trigger को किस प्रकार implement किया जाता है ? समझाइए ।

Explain how to implement a trigger in PL/SQL.

### **[क.म & 1 \* Section - 'C'**

नह?कz मय़kjh; i z u

Long answer question :

**2x10=20**

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Attempt any two questions from the following :

### **बदल & I / Unit - I**

21. DBMS के data models समझाइए ।

Explain data models of DBMS.

## **bdkbz & II / Unit - II**

22. Relational database के structure को समझाइए ।

Explain structure to relational database.

## **bdkbz & III / Unit - III**

23. Normalization क्या है INF, 2NF तथा 3NF को समझाइए ।

What is normalization ? Explain INF, 2NF and 3NF.

## **bdkbz & IV / Unit - IV**

24. RDBMS में join operation को उनके प्रकारों के साथ समझाइए ।

Explain join operation in RDBMS with their types.

## **bdkbz & V / Unit - V**

25. PL/SQL में exception handling को उदाहरण सहित समझाइए ।

Explain exception handling in PL/SQL with example.

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