



UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

Business and Humanities Certificate Examinations

MAY-JUNE SERIES

PROGRAMME

PROFESSIONAL CERTIFICATE IN SOFTWARE ENGINEERING (PCSE)

PAPER NAME

DATABASE PROGRAMMING IN SQL SERVER
(THEORY)

PAPER CODE

PCSE115/1

YEAR I, SEMESTER 1

3 HOURS

10TH MAY 2021

INSTRUCTIONS TO CANDIDATES

1. This paper consists of **two** sections **A** and **B**.
2. Section **A** is compulsory and carries **20** Marks.
3. Section **B** consists of **six** questions, Answer only **four** questions to carry **80** Marks.
4. All answers to each question should begin on a fresh page.
5. All questions carry equal marks.
6. **Do not** write on this question paper.
7. **All answers and rough work should be done in the official answer booklet provided.**
8. Read other instructions on the answer booklet.

SECTION A – (20 MARKS)

Answer all questions in this section

Question One

1. What is RDBMS? (2marks)
2. What are the table in sql server? (2marks)
3. Write four wild card characters which are used with like operator? (2marks)
4. What is the Stored Procedure? (2marks)
5. What is a CHECK Constraint? (2marks)
6. What is Normalization? (2marks)
7. What do you mean by data type? (2marks)
8. What do you mean by keyword in MySQL server? (2marks)
9. What is a View? (2marks)
10. What is sub query? (2marks)

SECTION B – (80 MARKS)

Answer only four questions in this section

Question Two

What is a trigger? (2marks)

A) What is MAGIC TABLE in triggers? Give 2 Examples (3marks)

b) Give Three types of trigger explain each (9marks)

c) How to Enable, Disable and Drop Triggers in SQL Server? (6marks)

Question Three

What are some popular third-party tools for SQL Server? (2marks)

(b) Write types of third party tools explain each. (10marks)

(c) Benefits of using third-party tools in Microsoft SQL (8marks)

Question Four

What is a relationship in sql server? (2marks)

(a) Can you explain relationships in SQL Server? (8marks)

2(b) Advantages of relationships in database (10marks)

Question Five

What are SQL Commands? (2marks)

a. What are various DDL commands in SQL? Give brief description of their purposes (6marks)

B. What are various DML commands in SQL? Give brief description of their purposes. (8marks)

c. What are various DCL commands in SQL? Give brief description of their purposes. (4marks)

Question Six

a. What are aggregate functions? Explain (6marks)

b. How many Aggregate functions are available in SQL? (14marks)

Question Seven

a. Define clause in sql server? (2marks)

b. What are the different Clauses used in SQL Explain each with its syntax? (18marks)

END