

Third Semester M. Sc. Computer Science Practical Examination- August 2021

Practical III: CSS3L03

GRADE POINT DISTRIBUTION

Part A						Part B						Total WGP
Table design	Implementation	Result/ Output	Viva	Record	Total	Class diagram, key method descriptions or algorithm	Implementation	Result/ Output	Viva	Record	Total	
15	15	15	15	15	75	15	15	15	15	15	75	150

Time: 3 Hours

Max Weight : 30

Attempt the marked question from each part
Part B - Object oriented Programming Concepts

- Write a java program to print first n Fibonacci numbers.
- Write a Java program to implement queue operations.
- Write a Java program to create a student class with following attributes. Enrollment_number, name of student, any 3 marks & total. Total must be calculated only when the student passes in all the three subjects. The pass mark for each subject is 50. If a candidate fails in any one of the subjects his/her total mark must be declared as zero. Using these conditions write a constructor for this class. Write separate functions for accepting and displaying student details.
- Write a Java program to find the volume of cube, rectangular box, cylinder using function overloading.
- Write a java program to perform the operations deposit, withdrawal, and balance enquiry on a bank account. Throw an exception when the balance becomes negative or less than Rs. 500/- after withdrawal.
- Develop an applet that receives an integer in one text field, and computes its factorial Value and returns it in another text field, when the button named "Compute" is clicked.
- Create a table book containing id, name, author, price and publisher. Add few records. Write a java program to read data from the table and display it.
- Write a java program to display the content of file in reverse order.

Third Semester M. Sc. Computer Science Practical Examination- JULY 2018

CSS3P06 Practical III

GRADE POINT DISTRIBUTION

Part A					Part B					Practical Record	Total Grade point
Database/ Table design	Implementation	Result/ Output	Viva	Total	Class diagram, key method descriptions or algorithm	Implementation	Result/ Output	Viva	Total		
5	15	10	10	40	10	10	10	10	40	20	100

Attempt the marked question from each part

PART A

- Create a table emp (emp_no, emp_name, designation, branch) and perform the following:
 - Alter the table by adding a column salary
 - Copy the table emp as employee.
 - Delete the second row from the table
 - Drop the table.
- Create a database consisting of required tables for a Student Admission System of a College. The database should contain at least 3 tables. (Student, programme, department etc. - use assumptions if required).
 - Create tables using query and insert data of at least 10 students, 2 departments and 5 programmes.
 - Write and perform query for
 - Select all the students who undergo a particular programme eg: BCA.
 - List the student's details with name in alphabetical order.
- Create a database consisting of required tables for a Railway Reservation System. The database should contain at least 3 tables. (Passenger, train, reservation etc. - use assumptions if required).
 - Create tables using query and insert data of at least 3 passengers, 2 trains and 8 reservations.
 - Write and perform query to
 - List the details of passengers who reserved for a particular train on a day.
 - List the name of the train which has got minimum number of reservations.
- Create a database consisting of tables deposit(acc_no, cust_name, place, amount) and loan(loan_no, cust_name, place, amount). Do the following:
 - Display all customers who have an deposit or loan with the bank
 - Display all customers who have both loan and deposit with the bank
 - Display all customers who have only loan with the bank
 - Display all customers who have only deposit with the bank.
- Create a table student(regno, sname, mark1, mark2, mark3, mark4, mark5)
Write a procedure to find and display total and average mark of students.

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