**RAMANANDA COLLEGE**

**B.Sc. 6th Semester (Prog) Examination 2021**

**Subject: Computer Science Course Code: SH/CSC/601/DSE-1B   
   
Course Title: Project Work (Practical) Subject code : 61528 Course ID: 21501**

**Full Marks: 40 Time: 2Hrs**

**Answer any two questions: 20×2**

1. Write a program to display the first n terms of Fibonacci series.   
2. Write a program to find factorial of the given number.   
3 Write a program to find sum of the following series for n terms – 2/2! +3/3!...n/n!   
4. Create DEPARTMENT table with columns Department\_ID, Name, Location\_ID.  
 Constraints on DEPARTMENT table: Department\_ID Primary Key.

5. Create This salesman Table and insert all this values and write a  
 SQL statement to display information of all.

salesman\_id | name | city | commission

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5001 | James Hoog | New York | 0.15

5002 | Nail Knite | Paris | 0.13

5005 | Pit Alex | London | 0.11

5006 | Mc Lyon | Paris | 0.14

5007 | Paul Adam | Rome | 0.13

5003 | Lauson Hen | San Jose | 0.12

6. Write a shell script to find the sum of a given number.  
7. Write a shell script to find the LCD of two numbers.   
8. Implement Full-Adder using NAND Gates.  
9. Implement S-R Flip-Flop using NAND Gates.  
10. Write a JAVA programs to find whether a given number prime or not.

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