# BCA- I Semester (2023-26) Holiday Homework

**BCA-101**            Subject: Communicative English

1. What is communication?
2. How a communication can be effective?

    OR

3. How to achieve effective communication?
4. Based on a scenario, students were supposed to write a complaint letter, a Memo and Response Letter to client.

**BCA- 102**            Subject : Basic Mathematics

1.Elaborate Leibinitz Theorem and hence prove it .

2.Discuss various forms of Function

**BCA-103**            Subject: Information Technology & Application

1. 1 What do you mean by internet and its application? Explain WWW.
2. What is multiplexing? Explain the time division multiplexing in data communication.
3. Discuss various network topologies with its advantages and disadvantages?
4. Write a note on IP address. Explain format of typical IP address. How is it different from Physical address/MAC address?
5. What is computer network? Define network topologies.
6. Define Internet and explain the methods of Internet security.

**BCA-104**            Subject: Principles of Management & Organization

| BCA 1st SEM STUDENT'S NAME | PRESENTATION TOPIC/UNIT | PRESENTATION DATE | MINI GROUP PROJECT-SUBMISSION DATE-1ST DECEMBER'23 |
|---|---|---|---|
| Nitesh & Viccky | Concept of management | 23rd Nov'23 | Analysis the organizational structure of Infosys |
| Vagisha & Priya | Evolution of management | 23rd Nov'23 | Analysis the organizational structure of Wipro |
| Manish & Abhisekh | Management function | 23rd Nov'23 | Analysis the organizational structure of Accenture |
| Prince & Balaji | Executive function | 24th Nov'23 | Analysis the organizational structure of TCS |
| Rupesh, Arvind & Kamal | Planning | 24th Nov'23 | Analysis the organizational structure of IBM |
| Vikash & Sachin | Controlling | 24th Nov'23 | Analysis the organizational structure of Delloite |

**BCA -105          Subject : Python Programming (Elective 1)**

1.What is string? Explain with any program.
 2.What is the function? Explain with proper example also Explain the conditional function explain with any program.

3.What is python? Explain with type of python.

4.What is data type? Explain with the proper programming ofData type.

 5.What are operators? Explain with all types of operators.

6.What is error handling? Explain all the error handling.

7.What is loop? Write all the type of loops with theirProgramming.

8.What is flow chart make a diagram any logical?

9.What is control flow? Explain their type with smallProgramming.

10.Write a program of date and time?

11.Write a program of only time?

12.Write a program of only date?

13.What is module? Explain with proper programming.

14.Write an example of user define python with theirProgramming.

15.Who is the scientist of python?

16.Define the term integers, float, variable and nonvariable,Complex number.

17.What is array in python?

18.What are difference between list and array?

19.What are difference between string and list?

20.What is number?

21.What are environment python?

23.What is syntax of python?

24.What is script loop? Explain with programming.

25.What are identity fires?

26.What is keyword? Explain all keyword and with smallProgramming.