

Winter Vacation Assignment for BCA I Semester (2023-26) STUDENTS

BCA-101 Subject: Communicative English

- a. Draft a Sales Letter promoting the launch of a new cell phone by your company.
- b. Throw some light on the life story of Rahul Bajaj/Bajaj Group.
- c. Write an essay on "Media - an effective pillar of Indian society".
- d. Social media - a boon or a curse?

BCA- 102 Subjects: Basic Mathematics

Q1. Write down the general formula of Integration by Parts .

Q2. $\int \sqrt{\tan x} dx$

Q3. $\int \sin x \cdot \cos x dx$

Q4. $\int \operatorname{Cosec} x dx$

Q5. $\int_0^a \sqrt{a^2 - x^2} dx$

BCA-103 Subject: Information Technology & Application

1. Briefly explain the categories of transmission media .
2. What are the different network characteristics?.
3. What are various categories of software.
4. Discuss different functions of operating system.
5. Explain various Input/Output devices.
- 6.

BCA-104 Subject: Principles of Management & Organization

- Q1. Discuss Maslow's need hierarchy theory of motivation.
- Q2. Explain the various steps involved in the process of control.

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 of Data 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 their Programming.
8. What is flow chart make a diagram any logical?
9. What is control flow? Explain their type with small Programming.
10. Write a program of date and time?
 - i. Write a program of only time?
 - ii. Write a program of only date?
11. What is module? Explain with proper programming.
12. Write an example of user define python with their Programming.
13. Who is the scientist of python?
14. Define the term integers, float, variable and non-variable, Complex number.
15. What is array in python?
16. What are difference between list and array?
17. What are difference between string and list?
18. What is number?
19. What are environment python?
20. What is syntax of python?
21. What is script loop? Explain with programming.
22. What are identity fires?
23. What is keyword? Explain all keyword and with small Programming.