**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

DEPARTMENT OF COMPUTER APPLICATIONS

**Program: Bachelor of Computer Applications**

Semester-I Mid Semester Examination (Practical) - **Batch-C**

Date:21-09-2019 Day: Saturday Duration: 03:15PM- 04:15PM

**BCA1112C04 Introduction to Programming using Python Lab** Marks: **30**

Instructions:   
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1. In the beginning of each file, write the program objective, name of programmer, date of program creation, programming language and version of program.

2. Attempt all.

3. Name your variables appropriately.

4. Add comments whenever necessary.

5. Prepare a MS Word document of the problem statement, your solution and at least two outputs. (Optional)  
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**SET B**

**[6 x 5 = 30]**

**Q1.** Write a program to find bytes equivalent of 1KB, 1MB, 1GB, and 1TB.

**Q2.** Momentum is calculated as e=mc2., where m is the mass of the object and c is its velocity. Write a program that accepts an object’s mass ( in KG) and velocity (in Meters per sec) and displays its momentum.

**Q3.** Write a program to calculate volume of a box.

**Q4.** Write a program to display the ascii value of a user inputted character.

**Q5.** Write a program to convert a temperature given in Fahrenheit to centigrade and vice versa

**Q6.** Perform following

* + - Write a program to use the following escape sequences

\t, \r, \n, \b

* + - List all the built in functions of python.

End

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