GANPAT UNIVERSITY
B. TECH SEM-IV (COMPUTER ENGINEERING/INFORMATION TECHNOLOGY)
FIRST INTERNAL EXAMINATION – FEBRUARY-MARCH 2023
2CEIT404: Programming with Python

TIME: 1 Hour   **TOTAL MARKS: 20**

Instructions:
1) Figures to the right indicate full marks.
2) Be precise and to the point in your answer.
3) The text just below marks indicates the Course Outcomes Numbers, (CO) followed by the Bloom's taxonomy level of the question, i.e., R: Remembering, U: Understanding, A: Applying, N: Analyzing, E: Evaluating, C: Creating.

Q.1 A) Differentiate between: statically typed v/s dynamic typed   **[4]**
B) Describe member operators and identity operators in python.   **2R**

Q.2 Is tuple mutable or immutable object? Justify your answer. Discuss any three operations   **[4]**
associated with tuple using appropriate example.   **2U**

Q.3 Develop a python program to get a number from user. Find factorial value of all of its digits   **[4]**
and print them. For example: N= 134. Output: 1!=1   3!=6   4!=24   **2A**

Q.4 Develop a python program to create a new file with title "Sample.txt" in a write mode and   **[4]**
write the following content: "Python Programming is Fun !!". After that, read the content of   **1A**
"Sample.txt" file and print the words ending with 'n'.

Q.5 Develop a python program to implement overloading of '*' (multiplication operator). Provide   **[4]**
an __init__() method to initialize instance variables a & b.   **3A**

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