

**SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY
SOFTWARE ENGINEERING DEPARTMENT**

Fall 2020F

**Programming Fundamentals (SWE-102)
Assignment # 1**

Semester: I

**Batch: 2020
Max Points: 10**

Instructions:

- Attempt all questions
- Do not copy or cheat from any one, make your own effort. If any assignment found copied it will straight away be rejected.
- Take the help from internet or any other online sources is allowed. If the data has been taken from any online source, then please organize it properly, do not copy and paste exactly.
- There is no maximum page limit.
- Assignment should be in MS Word document. The Word file should be submitted by converting it to a single PDF file.
- Mention your full name and roll number on the first / front page. The page numbers must be mentioned at the right bottom corner in the whole assignment.
- The maximum font size for text is 12 and for heading is 14. The font could be Arial or the Time New Roman.

Question 1

[2 points]

What are the different levels of programming? List some advantages and disadvantages of each type

Question 2

[2 points]

Write a note on evolution of programming languages; list some programming languages of each generation

Question 3

[2 points]

What are the different paradigms of programming languages? List some advantages and disadvantages of Procedural Programming Languages and Object-Oriented Programming Languages

Question 4

[2 points]

Differentiate between a compiler and an interpreter

Question 5

[2 points]

What are the rules required to be followed while naming a variable in Python?