

DAYANANDA SAGAR COLLEGE OF ENGINEERING

Date: 5/4/2018

Marks: 50

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| 1. Explain the segment registers used in 8086 and explain clearly how physical address is calculated in 8086. | 10 | 4 | 6 |
| 2. List and explain the functions and services of an operating system and OS operations | 10 | 2 | 4 |
| 3. Explain general purpose registers. | 12 | 1 | 3 |
| 4. What are system calls? With examples explain different categories of system calls. | 9 | 5 | 4 |
| 5. If A,B,C are finite sets Prove the extended addition principle. | 9 | 4 | 2 |

| CO | Statement |
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| 1 | Use the core python scripting concepts like control statements, string manipulation functions and the built-in data structures like list and dictionary. |
| 2 | Be able to design, code and test small python programs that make use of functions. |
| 3 | Demonstrate usage of file handling and pattern matching using regular expressions. |
| 4 | Build GUI for applications using python libraries. |
| 5 | Demonstrate MySQL database connectivity using python scripting. |
| 6 | Apply the knowledge of python and use the language scripting elements and constructs, data structures, and repository of standard library, to develop real world applications. |