DAYANANDA SAGAR COLLEGE OF ENGINEERING

Date: 12/4/2018   Marks: 50

Marks LL CO

	Marks	LL	CO
1. 2% of the fuses manufactured by a firm are found to be defective. Find the probability that a box containing 200 fuses contains (i) No defective fuse (ii) 3 or more defective fuses (iii) atleast one defective fuse	10	2	2
2. Explain multi-programming and time sharing operating system.	10	6	2
3. Obtain y(0.2) using Picard's method up to second approximation for the initial value problem dy/dx=x^2-2y ,y(0)=1.	10	6	6
4. The mean and S.D of the maximum loads supported by 60 cables are 11.09 tonnes and 0.73 tonnes respectively. Find a) 95% b) 99% confidence limits for mean of the maximum loads of all cables by the company.	10	3	5
5. Explain the different types of system calls.	10	6	1

CO	Statement
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.