DAYANANDA SAGAR COLLEGE OF ENGINEERING

Date: 13/4/2018   Marks: 50

Marks LL CO

	Marks	LL	CO
1. In 324 throws of a six faced die, an odd number turned up 181 times. Is it reasonable to think that die is an unbiased one?	10	2	2
2. Derive Mean and Variance for the Poisson Distribution	10	2	3
3. The probability that an individual's suffers a bad reaction from an injection is 0.001. Find the probability that out of 2000 individual (i) almost 2 (ii) exactly 2 (iii) more than 2 will get bad reaction.	10	4	4
4. Define OS. Discuss it's role from different perspectives.	10	4	1
5. Obtain a solution up to the third approximation of y for x=0.2 by picard's method, given thatdy/dx+y=e^x ;y(0)=1.	10	3	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.