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QUESTION BANK

210255: PRINCIPLES OF PROGRAMMING LANGUAGES

Unit – 6 Logical and Functional Programming

	Question Description	PLO & Level
1	Describe Functional Programming. Enlist its features. Also list the commonly used functional programming languages	PLO1,L2
2	Explain the symbol manipulation aspects of LISP programming	PLO2,L2
3	Compare functional programming with Object Oriented Programming paradigm	PLO2,L2
4	Explain the features of LISP programming	PLO1,L2
5	Define a function in LISP and access it with example program	PLO2,L3
6	Explain the conditional expressions used in LISP with example	PLO2,L2
7	Demonstrate the expressions used for Iterations in LISP with example	PLO2,L3
8	Write a LISP program to find the factorial of n numbers using recursion concept	PLO2,L3
9	Write short notes of Lambda definitions in LISP	PLO2,L2
10	Define plist and explain the features and usage in LISP	PLO1,L2
11	Define Logic Programming and explain the features of Prolog	PLO1,L1
12	Explain the phrases - "Term", "Facts", "Rule", "Goals" used in Prolog with example	PLO1,L1
13	Explain different operators used in Prolog programming with example	PLO2,L2
14	Demonstrate the use of prolog List with example	PLO2,L3
15	Compare functional programming with Logic Programming paradigm	PLO2,L2
16	Explain the concept of "Structures" in Prolog with example	PLO2,L3

* PLO – Program Learning Outcome