

2024

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : DSE-B-3P

(Introduction to Computational Intelligence)

Full Marks : 30

Set - 4

Marks Distribution

Source Code	:	15
Output	:	05
Viva voce	:	06
Sessional	:	04

Answer *any one* question.

1. Write a Prolog/LISP program to replace all occurrences of a given element in a list with another element.
2. Write a Prolog/LISP program to remove the negative elements of a list.
3. Write a Prolog/LISP program to append/concatenate two lists to generate a third list.
4. Write a Prolog/LISP program to determine whether in a list, the first four elements are same.

(2)

B(6th Sm.)-Computer Sc.-H/Pr./DSE-B-3P/CBCS/Set-4

5. Write a Prolog/LISP program to determine the greatest common divisor (GCD) of a list of numbers.

6. Write a Prolog/LISP program to find the intersection of two lists.
