



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

M.Sc. Examinations 2020
Semester IV
Subject: COMPUTER SCIENCE
Paper: COS- 494
(Practical)

Full Marks: 25

Time: 2hrs.

Candidates are required to give their answers in their own words as far as practicable.

Answer any one of the following questions

Practical

Paper : 494 (AI Lab)

Instruction:

The questions are of equal value. Candidates are required to give their answer in their own words (limit: 250 words) as far as practicable. Write clearly the steps of the program. Briefly discuss about the expected results.

1. Make your family tree in prolog and find your nephew and cousin using prolog program.
2. Write a prolog program to concatenate three strings. Do not use the built-in function.
3. Write a prolog program to find all substrings of a string.
4. Make your family tree in prolog and find your grandparents and uncle using prolog program.
5. Make your family tree in prolog and find your aunt and sister using prolog program.
6. Make your family tree in prolog and find your uncle and brother using prolog program.
7. Make your family tree in prolog and find your grandmother and niece using prolog program.
8. Make your family tree in prolog and find your aunt and cousins using prolog program.
9. Make your family tree in prolog and find your uncle and sister using prolog program.
10. Write a prolog program to check whether a given string is palindrome or not.
11. Write a prolog program to reverse a list and count the number of elements of the given list.
12. Write a prolog program to add of elements of a given list.