



NATIONAL EDUCATION SOCIETY FOR TRIBAL STUDENTS [NESTS]
EKLAVYA MODEL RESIDENTIAL SCHOOL-TAVAGA, GOKAK-BELAGAVI

Holidays Homework

Subject:- COMPUTER SCIENCE

Sub. Teacher:- Chithra V

CLASS 12TH

PART – A Python

- 1) Write a python program using a function to print n fibonacci numbers.
- 2) Write a menu driven program in python to find factorial and sum of natural of n Numbers using function.
- 3) Write a python program using user defined function to calculate interest amount using simple interest method and compound interest method and find the difference of interest amount between the two methods.
- 4) Write a Python Program to create a text file and to read a text file and display the number of vowels, consonants, uppercase and lowercase characters in the file.
- 5) Write a python code to find the number of lines, number of words and number of characters in a text file.
- 6) Write a python program to create and to read records in binary file with student name and marks of six subjects.
- 7) Write a python program to copy the records of the students having percentage 90 and above from the binary file into another file.
- 8) Write a python program using function to sort the elements of a list using bubble sort method.
- 9) Write a python program using function to sort the elements of a list using selection sort method.
- 10) Write a python program using function to sort the elements of a list using insertion sort method.
- 11) Write a python program using function to search an element in a list using linear search method.
- 12) Write a python program using function to search an element in a list using binary search method.
- 13) Write a python program to add and display elements from a stack using list.
- 14) Write a python program to add and display elements from a queue using list.