

GIRI's TECH HUB,PUNE

Programming (Machine) Test

Batch : July-24

Date:29/08/2024

(SET A)

Instructions:

Total: 10 Marks

- 1 Solve any 6 programs from all sections.
- 2 For passing ,one question from each section necessary to solve correctly.
- 3 Take all inputs from user.
- 4 1.5 mark for each question and 1 mark for comment and proper indentation.

Section – I (Decision Making)

- 1) Write a program to check , a number is Even or Odd number.
- 2) Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units Rs. 0.50/unit

For next 100 units Rs. 0.75/unit

For next 150 units Rs. 1.20/unit

For unit above 250 Rs. 1.50/unit

An additional surcharge of 20% is added to the bill

- 3) Dr.Hathi from “Gokul-Dham” Society has “Life-Line Clinic” . He fixed a consultation Fees for different age group patients:-

Below table and Dictionary help you to write program.

Age above 0 yrs and less than 5 yrs	No Fees
Age above 5 yrs and 10 yrs	Rs.50
Age above 10 yrs and upto 18 yrs	Rs.100
Age above 18 yrs and upto 40 yrs	Rs.200
Age above 40 yrs and upto 60 yrs	Rs.150
Age above 60 yrs	No Fees

Section – II (Looping)

- 1) Write a program to check any digit number is palindrome number or not.
- 2) Write a program to print all alphabets between A to Z (whose ASCII number is even).
- 3) Write a program to print all Strong numbers between range 1 to n.

Section – III (Patterns)

