2024
BCA
BCA First Semester End Examination - 2024
PAPER - SEC101P

C Programming Lab

Full Marks : 30   *Time : 2 hours*

The figures in the right-hand margin indicate marks.
Candidates are required to give their answers in their own
words as far as practicable.
Illustrate the answers wherever necessary.

Answer any one question   **20×1=20**

1. Write a program to calculate simple and compound interest.

2. Write a program to swap values of two variables with and without using third variable.

3. Write a program to display the size of very data type using "sizeof" operator.

4. Write a pgoram to find the largest of three numbers using ternary operator.

5. Write a program to find the roots of quadratic equation.

(Turn Over)

6. Write a program to input name, marks of 5 subjects of a student and display the name of the student, the total marks scored, percentage scored and the class of result.

7. Write a pgoram to check whether a date is valid or not.

8. Write a program to check whether a number is positive, negative or zero using switch case.

9. Write a C program to print first n(>0) Fibonacci terms, assuming the 1st and 2nd terms be 0 and 1 respectively.

10. Write a C program to check if a given integer is palindrome or not.

11. Write a C progam to check if a given integer is prime or composite.

12. Write a C program to check if a given number is a perfect number.

13. Write a C program to compute character grade from the marks ($0 \leq marks \leq 100$) of a subject.

Grading Scheme : 80-100 : A, 60-79 : B, 50-59 : C, 40-49 : D, 0-39 : F.

VIVA - 6

PNB - 4