

C Language Test: 1 (50 Marks)

Note : Take all the values from the user.

Q1. Write a Menu driven C Program for following and print using switch case.

1. Area of circle.
2. Area of square.
3. Area of Rectangle.

(5 Marks)

Q2. Write a C Program to print the Following pattern

```
•  - - - - 1 - - - -
•  - - - 0 0 0 - - -
•  - - 1 1 1 1 1 - -
•  - 0 0 0 0 0 0 0 -
•  1 1 1 1 1 1 1 1 1
•  - 0 0 0 0 0 0 0 -
•  - - 1 1 1 1 1 - -
•  - - - 0 0 0 - - -
•  - - - - 1 - - - -
```

(10 Marks)

Q3. Write a C Program which will print the following msg for the series of 1 to n while n value is taken from the user.

1. If No is divisible by 3 print " C ".
2. If No is divisible by 5 print " Language ".
3. If No is divisible by 3 and 5 print " C Language ".

(5 Marks)

Q4. Write a C Program which takes an integer as marks and calculates the grade. The program should display the result as follows:

- **A** (Above 90)
- **B** (Above 80)
- **C** (Above 70)
- **D** (Above 60)
- **E** (Above 50)
- **PASS** (Above 35)
- **FAIL** (35 or below)

(5 Marks)

Q5] Print the following pattern (5M Each)

(10M Each)

* * * * *

1

* * * * *

1 0

* * * * *

1 0 1

* * *

1 0 1 0

*

1 0 1 0 1

Q6] Write a C program to check whether the number is palindrome or not.

(5M)

Q7 . Write a C Program to print the fibonacci series from 1 to n where n value should be taken from the user using functions.

(5M)

Q8. Write a C program to calculate the profit and loss of a product

(5M)