



TRIBHUVAN UNIVERSITY

2023

Bachelors in Computer Applications

Course Title: C programming

Full marks: 60

Course Code No: CACS 151

Pass Marks: 24

Semester: II

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions (6*5)

- 1) Define programming technique. Differentiate between top-down and bottom-up approach with suitable example.
- 2) Define Data Types. Explain different data types available in C Programming.
- 3) Explain bitwise and conditional operator with example.
- 4) Write a program to print the following pattern using loop.
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- 5) Define Array. Write a program to search an element from an array of 10 numbers.
- 6) Define function. Write a program that find xy using function.
- 7) Define pointer. Write a program to find sum of 10 numbers using pointer.

Group C

Attempt any TWO questions (2*10=20)

- 8) What are the characteristics of a good program? Explain types of languages processor.
Explain any two system design tools.
- 9) Define file opening modes. Write a program to delete specific record from a file.
- 10) Differentiate between structure and Union. Locate a structure named student with members roll no, name, address. Write a program that displays name of only those students whose addressing is Kathmandu.