

B.C.A. (Part - I) (Semester - I) Examination, April - 2014
PROGRAMMING IN 'C' (Revised) (Paper - 102) (New)
Sub. Code : 59570

Day and Date : Wednesday, 09- 04 - 2014

Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 80

Instructions :

- 1) Each question carries 16 marks.
- 2) Solve any four questions from Q. 1 to Q. 7.
- 3) Q. 8 is compulsory.

Q1) a) Write an Algorithm and Draw flowchart for calculating Simple Interest. [8]

b) What is variable? How to declare variable? Write the rules for declaration of the variable. [8]

Q2) a) Explain how to perform input and output Functions in 'C'. [8]

b) What is looping? Explain for loop with suitable example. [8]

Q3) a) Explain if statement and its various forms with example. [8]

b) What is array? Explain 2-dimensional array with suitable example. [8]

Q4) a) Define an algorithm. Explain different characteristics of an algorithm. [8]

b) What is constant? Explain different types of constants used in 'C'. [8]

Q5) a) Explain break and continue statement with suitable example. [8]

b) Write a program to generate following series.

0 1 1 2 3 5 8

[8]

Q6) a) Explain the different data types used in C. [8]
b) What is flowcharting? Write Advantages and Disadvantages of Flowchart. [8]

Q7) a) Write a program to determine the length of a string using pointer. [8]
b) Differentiate between while and do while loop. [8]

Q8) Attempt any four questions from the following : [16]

- a) Explain Character set in 'C'
- b) How to initialize character array
- c) What are the features of 'C' language?
- d) Explain Relational operators in 'C'
- e) Explain 1-dimensional array
- f) Define Switch statement with example.



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B.C.A. (Part - I) (Semester - I) Examination, November - 2015

PROGRAMMING IN 'C' PART - I (Paper - 102)

Sub. Code : 59570

Day and Date : Monday, 02 - 11 - 2015

Total Marks : 80

Time : 03.00 p.m. to 06.00 p.m.

Instructions : 1) Each question carries 16 marks.

2) Solve any Four questions from Q.1 to Q.7.

3) Q.8 is Compulsory.

Q1) a) What is variable? How to declare variable? Write the rules for declaration of the variable. [8]
b) Write an algorithm and Draw flowchart for given number is even or odd. [8]

Q2) a) Explain different features of 'C' language. [8]
b) Explain do while loop with their syntax and example. [8]

Q3) a) Write a program in 'C' to swap the values of two variables. [8]
b) Explain Break and Continue with suitable example. [8]

Q4) a) Differentiate between if and switch statement. [8]
b) What is array? Explain two dimensional arrays with suitable example. [8]

Q5) a) What is flowcharting? Write advantages and disadvantages of flowchart. [8]

b) Write a program in 'C' to display transpose of given matrix. [8]

Q6) a) List and explain the various operators used in 'C'? [8]
b) Explain string handling functions in 'C'? [8]

Q7) a) Explain how to perform input and output functions in 'C'. [8]
b) Explain how to handle character array with suitable example. [8]

Q8) Attempt any Four questions from the following : [16]

- a) Explain constants in 'C'.
- b) Write a note on an algorithm.
- c) Explain Nested if else statement in 'C'.
- d) What is the use of exit statement?
- e) Explain one dimensional array in 'C'.
- f) Explain Structure of 'C' program.

Q5) a) Explain break and continue statement with suitable example. [8]

b) Write a program to find the factorial of a given number. [8]

Q6) a) Explain the different data types used in 'C'. [8]

b) Write an Algorithm and draw flowchart for calculating simple interest. [8]

Q7) a) Write a program to Check a given number is Armstrong or not. [8]

b) Differentiate between if and switch case statement. [8]

Q8) Attempt any FOUR questions from the following: [16]

a) Explain the Keywords in 'C'.

b) How to initialize Character array.

c) Explain the types of errors.

d) Explain the Constants in 'C'.

e) Explain Any 2 string handling functions.

f) What is the use of exit statements?



Seat
No.

B.C.A. (Part - I) (Semester - I) (Revised)
Examination, November - 2016
PROGRAMMING IN 'C' (Part - I) (Paper - 102)
Sub. Code : 59570

Day and Date : Monday, 07-11-2016 **Total Marks : 80**

Time : 2.30 p.m. to 5.30 p.m.

Instructions :

- 1) Each question carries 16 Marks.
- 2) Solve any FOUR questions from Q.1 to Q.7.
- 3) Q.8 is Compulsory.

Q1) a) What is constant? Explain different types of constants used in 'C'. [8]

b) Write an algorithm and Draw flowchart for calculating Simple Interest. [8]

Q2) a) What is looping? Explain while loop with syntax and example. [8]

b) Explain how to perform input and output functions in 'C'. [8]

Q3) a) Write a program in 'C' to generate following series. [8]

0 1 1 2 3 5 8

b) Differentiate between if and switch statement. [8]

Q4) a) Explain How to declare and initialize one dimensional array? [8]

b) What is use of switch statement? Explain it's working with example. [8]

Q5) a) Define algorithm. Explain different characteristics of an algorithm. [8]

b) What is use of break statement? Explain it's working with example. [8]

Q6) a) Explain how to handle character array with suitable example. [8]

b) What is variable? How to declare variable? Write the rules for declaration of the variable. [8]

Q7) a) List and explain the various operators used in 'C'? [8]

b) Write a program in 'C' to accept string and display whether it is palindrome or not. [8]

Q8) Attempt any FOUR questions from the following: [16]

- Write features of 'C' language.
- Explain if else statements in 'C'.
- What are the types of errors?
- What is the use of goto statement?
- Explain any two string handling functions with example.
- Explain basic data types used in 'C'.

Seat
No.

[8] B.C.A. (Faculty of Commerce) (Part - I) (Semester - I)
(Revised) Examination, April - 2017
PROGRAMMING IN 'C' (Paper - 102)
Sub. Code : 59570

Day and Date : Tuesday, 11-04-2017

Total Marks : 80

Time : 11.00 a.m. to 2.00 p.m.

Instructions : 1) Each question carries 16 marks.
2) Solve any FOUR questions from Q.1 to Q.7.
3) Q.8 is compulsory.

Q1) a) What is algorithm? Write an algorithm to find smallest number between any three given numbers. [8]
b) Explain different features of 'C' language. [8]

Q2) a) What is looping? Explain looping statements in 'C'. [8]
b) List and explain the various operators used in 'C'. [8]

Q3) a) Write a program in 'C' to find factorial of given number. [8]
b) Differentiate between break and continue statement. [8]

Q4) a) What is constant? Explain different types of constants used in 'C'. [8]
b) Explain goto and exit statement with example. [8]

Q5) a) Describe various forms of if statements with example. [8]
b) Write a program in 'C' to accept a string and display whether it is palindrome or not. [8]

Q6) a) What is flowchart? Write advantages and disadvantages of flowchart. [8]

b) What is variable? Explain the concept of variable with example. [8]

Q7) What is an array? Explain different types of array with example. [16]

Q8) Attempt any FOUR questions from the following: [16]

a) Define switch statement in 'C'.

b) What are the types of errors?

c) Explain basic data types used in 'C'.

d) How to format the outputs in 'C'.

e) Explain any two string handling functions with example.

f) Explain simple structure of 'C' program.



Q9) a) Write a program to print first 10 odd numbers in 'C'.

b) Differentiate between break and continue statement.

Q10) a) Write a program in 'C' to find factorial of given number.

b) Explain goto and exit statement with example.

Q11) a) Describe various forms of if statements with example.

b) Write a program in 'C' to accept a string and display whether it is

binary or not.

Seat
No.

B.C.A. (Part - I) (Semester - I) Examination, October - 2017
Programming in 'C' (Part - I) (Paper - 102) (Revised)
Sub. Code : 59570

Day and Date : Tuesday, 24 - 10 - 2017

Time : 02.30 p.m. to 05.30 p.m.

Total Marks : 80

Instructions : 1) Each question carries 16 marks.
 2) Solve any Four questions from Q.1 to Q.7.
 3) Q.8 is compulsory.

Q1) a) Explain Simple structure of 'C' program with example. [8]

b) Describe various forms of if statements with example. [8]

Q2) a) What is looping? Explain looping statements in 'C'. [8]

b) What is flowchart? Draw a flowchart to find largest number between any three given numbers. [8]

Q3) a) Write a program in 'C' to reverse a entered number. [8]

b) Differentiate between break and continue statement. [8]

Q4) a) What is Data type? Explain various data types provided by 'C'. [8]

b) Explain any four String handling functions in 'C' with example. [8]

Q5) a) What is constant? Explain different types of constants used in 'C'. [8]

b) Write a program in 'C' to reverse a given string. [8]

Q6) a) What is algorithm? Write advantages and disadvantages of an algorithm. [8]
 b) Explain different features of 'C' language. [8]

Q7) What is an array? Explain different types of array with example. [16]

Q8) Attempt any FOUR questions from the following. [16]

a) Define switch statement in 'C'.
 b) Explain character set in 'C'.
 c) How to initialize Character array?
 d) Explain Relational operators in 'C'.
 e) How to format the outputs in 'C'.
 f) Write Rules for variable declaration.



[8] (a) Write a program in 'C', to reverse a string.
 [8] (b) Differentiate between break and continue statement.
 [8] (c) Write a program in 'C', to calculate sum of digits of a number.
 [8] (d) Explain swap function in 'C', with example.

[8] (e) Write a program in 'C', to find greatest number between two numbers.
 [8] (f) Explain different types of arrays with example.

[8] (g) Write a program in 'C', to find sum of digits of a number.