

Seat	
No.	

Total No of Pages: 02

Kamala College, Kolhapur
(Autonomous)
B.C.A. (Part-I) (Semester-II)
Examination March/April, 2024
NEP - 2020 Level – 4.5
Introduction to Programming Using C – II
Subject Code: DSC 201



Day and Date: Friday, 05/04/2024

Total Marks: 40

Time: 08.00 a.m. to 10.00 a.m.

Instructions:

1. Question 1 is compulsory.
2. Attempt any four questions from Que. No 2 to Que. 7
3. Figures to the right indicate total marks for the question.

Q. 1 Multiple choice Questions.

[8]

- 1) Which of the following are correct file opening modes in C?
a) r b) rb c) w d) All of the above
- 2) What is the return type of the fopen() function in C?
a) Pointer to a FILE object b) Pointer to an integer
c) an integer d) an float
- 3) Which of the following is not a storage class specifier in C?
a) volatile b) extern
c) typedef d) static
- 4) Which of the following header files must necessarily be included to use dynamic memory allocation functions?
a) stdlib.h b) stdio.h
c) memory.h d) dos.h
- 5) Which of the following functions allocates multiple blocks of memory, each block of the same size?
a) malloc() b) realloc()
c) calloc() d) free()
- 6) What is the keyword used to define a structure in C?
a) struct b) record c) class d) object

7) How do you access a member of a structure in C?

- a) .(dot) b) ->(arrow) c) :: (scope) d) ,(comma)

8) What does the 'sizeof' operator in C return for a Union?

- a) Total size of all union members
b) Size of the largest member
c) Size of the smallest member
d) Size of the Union itself.

Q 2) Explain in brief Structure in C ? Write a c program which create employee structure which accept emp_id,emp_name,emp_salary and display atleast 1 record. [8]

Q 3) Explain in brief storage classes in C with example? [8]

Q 4) Explain in brief file handling functions & file opening modes? [8]

Q 5) Explain in brief dynamic memory allocation Functions in C language . [8]

Q 6) Explain in brief pointer with example? Write difference between structure And Union. [8]

Q 7) Write short notes on. (Any Two out of Three) [8]

- a) Fseek() in file handling
b) Call by value
c) Union in C


