



RAN - 1911000302030082

**RAN-1911000302030082****F. Y. B. Sc. (Computer Science) (Sem. - II) Examination April - 2023****Programming in C - II : Paper - 202****Time: 2 Hours ]****[ Total Marks: 50****સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

F. Y. B. Sc. (Computer Science) (Sem. - II)

Name of the Subject :

Programming in C-II : Paper - 202

Subject Code No.: 1911000302030082

Seat No.:

Student's Signature

**SET - 4****Q. 1. Answer the Following:****[14]**

- What are differences between structure and union in terms of storage?
- Explain getc() and putc() with proper example.
- Describe file pointer.
- List out functions for random accessing files.
- Define two dimensional array. How can we declare two dimensional array?
- Describe file mode. List different file opening mode.
- How can we store the address of pointer variable? Give example.

**Q. 2. Answer the following:**

- What do you mean by union? Discuss how we can access the elements of union by giving example. **[06]**
- Explain about returning a pointer from function in C. How to implement it? **[06]**

**OR**

- What is pointer? How can we declare and initialize pointer variable? Explain with syntax and example. Also discuss limitations of pointer. **[06]**
- What do you mean by nested structure? Explain with example. **[06]**

RAN-1911000302030082 ]

[ 1 ]

[ P.T.O. ]

**P1306**

**Q. 3. Answer the following:**

- (a) Define pre-processor. Explain #define in detail. Give example. [06]
- (b) Explain Array of pointer. Give appropriate example. [06]

**OR**

- (a) Write a note on array within structure by giving suitable example. [06]
- (b) Call by reference is better option than call by value. Justify your answer. [06]

**Q. 4. Attempt the following: ( Any three) [12]**

- (a) Write a note on macro.
  - (b) Explain any two file handling functions with example.
  - (c) Write a note on pointers to functions.
  - (d) Write a program to create a structure named “STUDENT”, which contains stud\_rollno, stud\_name and total\_mark. Accept details of 5 students using the concept - “Array of Structure” and display it in a proper format.
-