



RAN - 1911000302030082 - CS

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**F. Y. B. Sc. Computer Science (Sem. - II) Examination April - 2023**

**Programming in C -II : Paper - 202**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

(1) नीचे दशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:  
☛

Name of the Subject :  
☛

Subject Code No.:

Seat No.:

Student's Signature

**Q. 1. Answer the Following : [14]**

- (a) What is structure? Give syntax to declare structure.
- (b) Define pointer. Can we store Character in pointer variable?
- (c) What do you mean by double subscripted variable? Give example.
- (d) What is the difference between \*P and \*\*P ?
- (e) Explain getw() and putw() with proper example.
- (f) How can we compare two structure variables?
- (g) Can a pointer access the array? How?

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

- (a) Define array. What is the purpose of array? Explain two dimensional array with proper example. [06]
- (b) Write a detailed note on Array of Structure with appropriate example. [06]

**OR**

- (a) Write differences between Structure and union. Explain with example. [06]
- (b) Explain array within structure by giving suitable example. [06]

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

- (a) How can we open a file? Explain various file opening mode in details. [06]
- (b) Write a note on Pointer. Also explain array of pointer in detailed with example. [06]

**OR**

- (a) Explain call by reference with appropriate example. How it is useful? [06]
- (b) Explain various functions of accessing file. [06]

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

- (a) Write a note on pointer as function argument.
- (b) Describe about a chain of pointers with syntax and example.
- (c) Explain fseek() and ftell() function with example.
- (d) Write a program to accept 3x3 matrix and then calculate sum of only diagonal elements.
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