

**1911000302030082**  
**EXAMINATION MARCH-APRIL 2024**  
**BACHELOR OF SCIENCE (SECOND SEMESTER)**  
**(COMPUTER SCIENCE) PAPER - II**  
**202- PROGRAMMING in C-II (OLD) PAPER - II**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **BACHELOR OF SCIENCE (SECOND SEMESTER)**
  - b. Name of the Subject : **COMPUTER SCIENCE PAPER – II 202- PROGRAMMING in C-II (OLD) PAPER - II**
  - c. Subject Code No : **1911000302030082**
2. Sketch neat and labelled diagram wherever necessary.
  3. Figures to the right indicate full marks of the question.
  4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer the following.**

**14**

- 1) What do you mean by array? List its types.
- 2) What is Union user defined datatype? How it is different from structure.
- 3) What is pointer variable? How will you define pointer variable?
- 4) Explain pointer to structure taking proper example.
- 5) Explain passing pointer to function using proper example
- 6) What is Macro? How will you define it?
- 7) List access modes in which file can be opened through c language program?

**Q.2 Answer the following Question**

- 1) Discuss one dimensional and two dimensional array taking proper example. **6**
- 2) What is structure? Discuss taking proper example how will you declare structure datatype and its variables and access structure members. **6**

**OR**

- 1) Discuss various preprocessor directives in c language. **6**
- 2) Discuss ftell(),rewind(), fseek() functions of c language taking appropriate example **6**

**Q.3 Answer the following Question**

- 1) Discuss benefits of pointer variable. Discuss passing pointer to function taking appropriate example. **6**
- 2) Discuss fprintf and fscanf function taking proper example. **6**

**OR**

- 1) Discuss Command line arguments? Explain how you will access Command line arguments in c program taking appropriate example. **6**
- 2) Explain reading and writing 2-D array taking proper example. **6**

**Q.4 Answer the following. (Any Three) **12****

- 1) Discuss reading and writing 1-D array taking appropriate example.
- 2) Discuss pointer to structure taking appropriate example.
- 3) Discuss passing array in function taking proper example.

- 4) Explain typedef taking proper example? What are its benefits?
- 5) Write short note on array of pointer.

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