Reg. No. : ....

Name : ....

II Semester Integrated M.Sc. Degree (Reg./Supple./Imp.)
Examination, April 2022
(2020 Admission Onwards)
COMPUTER SCIENCE
2B02ICSC : Advanced C Programming

Time : 3 Hours   Max. Marks : 40

PART – A
(Short Answer)

Answer **all** questions.   (6×1=6)

1. What are the two categories of functions in C ?

2. How do you find the address of a variable ?

3. What are structure variables in C ?

4. What is a extern keyword ?

5. _____ operator connects the structure name to its member name.

6. What is binary file in C ?

PART – B
(Short Essay)

Answer **any 6** questions.   (6×2=12)

7. Why do we use pointers in arrays ?

8. What is difference between macro and function in C ?

9. How can you create a file in C ?

10. What is random access to files ?

P.T.O.

11. How are structure members stored in memory ?

12. How do you initialize a union ?

13. What is the difference between pointer to an array and array of pointers ?

14. What is the difference between user defined and built in functions ?

PART – C
(Essay)

Answer **any 4** questions.   (4×3=12)

15. What is meant by recursive function ? Explain with suitable example.

16. How array will be passed to function using pointers ? Explain.

17. What is the difference between auto and register keyword in C ?

18. What is void or generic pointers in C ?

19. What is the difference between scope and lifetime of a variable ?

20. How does structure differ from array in C ?

PART – D
(Long Essay)

Answer **any 2** questions.   (2×5=10)

21. What are the types of user defined functions ? Explain with suitable example.

22. What are the similarities and difference between structure and union ?

23. What are input and output functions in C ? Explain.

24. List and explain dynamic memory allocation function in C.

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