



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – March 2021
I Semester

Class : I UG
Major : Information Technology

Time : 3 Hours
Max. Marks: 100

18BITC02 C Programming

Part A
Choose the correct answer

10 x 1=10

- Continue statement is used to
 - Go to the next iteration in a loop
 - Come out of a loop
 - Exit and return to the main function
 - Restarts iterations from beginning of loop
- Which operators are known as Ternary Operator?
 - . ::, ?
 - ?, :
 - ?, ;;
 - None of the above
- Array is an example of _____ type memory allocation.
 - Compile time
 - Run time
 - Both a and b
 - None of the above
- What is the output of C program?

```
int main()
{
    printf("%c","COMPUTER"[2]);
}
```

 - O
 - M
 - T
 - None of the above
- Which of the following is a collection of different data types?
 - String
 - Array
 - Structure
 - Files
- Number of bytes in memory taken by the below structure is

```
struct test
{ int k; char c; };
```

 - Multiple of integer size
 - Integer size+ Character size
 - Depends on the platform
 - Multiple of word size
- The operator used for dereferencing or indirection is _____.
 - *
 - &
 - >
 - >>
- What will happen in this code?

```
int a = 100, b = 200;
int *p = &a, *q = &b;
p = q;
```

 - b is assigned to a
 - p now points to b
 - a is assigned to b
 - q now points to a

- 19.a. i. Write following Differences between
(1) Pointer and Array (2) * and ** operators
ii. How to increment the value of a variable using pointer? Give example.
iii. What is NULL pointer?
(or)

19.b. Write a C program to read and print an array of elements using pointers.

- 20.a. Explain the following file handling functions:
i. fseek() ii. ftell() iii. rewind() iv. feof()
(or)

20.b. Write a program in C that reads the name of a file and displays the contents of the file on the user screen.
