

5. Operating system is installed on
 - A. Hard Disk
 - B. Cache memory
 - C. Mother Board
 - D. None of these
6. Recycle bin is used for
 - A. To store backup file
 - B. To restore deleted file / folder
 - C. To store most frequently
 - D. All the above
7. The process a user goes through to begin a computer system.
 - A. Log out
 - B. Log in
 - C. Log off
 - D. None of these

(b)

07

1. The first expression in a for... loop is
 - a) Step value of loop
 - b) Value of the counter variable
 - c) Condition statement
 - d) None of the above
2. Continue statement used for
 - a) To continue to the next line of code
 - b) To stop the current iteration and begin the next iteration from the beginning
 - c) To handle run time error
 - d) None of above
3. What will be the output of following program


```
#include
main()
{
int x,y = 10;
x = y * NULL;
printf("%d",x);
}
```

 - a) error
 - b) 0
 - c) 10
 - d) garbage value
4. Difference between calloc() and malloc()
 - a) calloc() takes a single argument while malloc() needs two arguments
 - b) malloc() takes a single argument while calloc() needs two arguments
 - c) malloc() initializes the allocated memory to ZERO
 - d) calloc() initializes the allocated memory to NULL
5. Which among following is not necessary for working of a standalone computer?
 - a) RAM
 - b) Hard Drive
 - c) Operating System
 - d) LAN card
6. What is algorithm?
 - a) Application code
 - b) Type of programming language
 - c) None of above
 - d) Step by step procedure for calculations

7. printf() belongs to which library of c
 a) stdlib.h c) stdout.h
 b) stdio.h d) stdoutput.h
- Q.2** (a) Define algorithm and explain different symbols used in flowchart. **03**
 (b) Write the difference between structure and union. **04**
 (c) Explain different type of operators used in c language with their precedence and associativity. **07**
- Q.3** (a) What do you mean by type conversion? Why is it necessary? **03**
 (b) What is difference between keywords and identifiers? Explain rules for naming an identifier. **04**
 (c) Explain different loops used in c language .Write the difference between while loop and do...while loop. **07**
- Q.4** (a) What is a file? List the various file handling operations in c. **03**
 (b) What is user-defined function? Explain actual argument and formal arguments **04**
 (c) Write a program in c for multiplication of two matrix. **07**
- Q.5** (a) Explain the use if malloc and calloc function with their syntax. **03**
 (b) What is String? How are they declared and also define the null character **04**
 (c) What do you mean by recursive function? Write a program in c to find factorial of a number using recursive function. **07**
- Q.6** (a) Explain the difference between call by reference and call by value with proper example **03**
 (b) How to initialize Pointer? Explain arrays of pointer using suitable sample program. **04**
 (c) Write a program in c using structure to enter rollno, marks of the three subject for 3 student and find total obtained by each student **07**
- Q.7** (a) What is Software and Hardware? Explain different types of Software. **03**
 (b) Write a program using pointer and function to determine the length of **04**
 (c) string **07**
 Explain different type of functions used in c language. Write a program using function to find maximum if two numbers.
