**BISHOP HEBER COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI-620 017**

**Programme: I B.Sc CS** **Semester: I**

**Course Title: Programming Principles and Abstractions using C** **Course Code: U18CS101**

## UNIT IV

1. Which of the following operations can be performed on the file "NOTES.TXT" using the below code?

```
main(){
FILE *fp;
fp = fopen("NOTES.TXT", "r+");}
```

A. Reading B. Writing C. Appending D. Read and Write

2. What is the output of the program?

```
main(){
    FILE *fs, *ft, *fp;
    fp = fopen("A.C", "r");
    fs = fopen("B.C", "r");
    ft = fopen("C.C", "r");
    fclose(fp, fs, ft);
}
```

A. "A.C" "B.C" "C.C" B. "B.C" "C.C" C. "A.C" D. Error

3. Consider the following program and what will be content of t?

```
main(){
    FILE *fp;
    int t;
    fp = fopen("DUMMY.C", "w");
    t = fileno(fp);
    printf("%d\n", t);
}
```

A. size of "DUMMY.C" file B. The handle associated with "DUMMY.C" file
C. Garbage value D. Error in fileno()

4. What is the meant by ‘a’ in the following operation?

```
fp = fopen("Random.txt", "a");
```

A. Attach B. Append C. Apprehend D. Add

5. File is a set of _____ that can be accessed through the set of library functions.
A. records B. numbers C. symbols D. folders

6. What is the output of the following, if the file test.txt contains only the word “Hi”?

```
main() {
  FILE *fp;
  int len;
  fp = fopen("test.txt", "r");
  fseek(fp, 0, SEEK_END);
  len = ftell(fp);
  fclose(fp);
  printf("%d bytes\n", len);
}
```

A. 2 bytes B. 4 bytes C. 0 bytes D. 1 byte

7. The file test.txt contains only the word “Hi”. What is the output of the following?

```
main() {
    FILE *fp = fopen("test.txt","r");
```

```
        char string[20];
        fscanf(fp,"%s",string);
        printf("%ld", ftell(fp));
        getch();
    }
```

A. 1 B. 2 C.3 D. 0

8. During the execution of the following program, the input is given as “Welcome to Trichy”. What will be the output of the following?

```
    #include<stdio.h>
    #define MAX 15
    int main(){
        char buf[MAX];
        fgets(buf, MAX, stdin);
        printf("string is: %s\n", buf);
        getch();
        return 0;
    }
```

A. Welcome to Trichy B. Welcome C. Welcome to Tri D. Trichy

9. What will be content of “file.txt” after executing the following program?

```
    main(){
       FILE *fp;
       fp = fopen("file.txt","w+");
       fputs("This is Trichy City", fp);
       fseek( fp, 7, SEEK_SET );
       fputs(" C Programming Language", fp);
       fclose(fp);
    }
```

A. This is Trichy City B. This is C Programming Language
C. This is Trichy D. This is C

10. What will be content of “file.txt” after executing the following program?

```
     main(){
       FILE *fp;
       fp = fopen("file.txt","w+");
       fputs("Hello!", fp);
       fseek( fp, 6, SEEK_SET );
       fputs(" Welcome!", fp);
       fclose(fp);
    }
```

A. Hello! Welcome! B. Hello!Welcome
C. Hello! D. Welcome!

11. The function fseek() returns the value as _____ if it is successful.
A. 0 B. 1 C. -1 D. NULL

12. The following program is executed twice. What will be the output during the second execution?

```
    main(){
      int rem;
      rem = remove("file.txt");
      if(rem == 0) {
          printf("File deleted successfully");
       } else {
          printf("Error: unable to delete the file");
       }
    }
```

A. File deleted successfully B. Error: unable to delete the file
C. Contents of file is deleted D. None of the above

13. What is the output of the following?

```
main()
{
   int ret;
   char oldname[] = "file.txt";
   char newname[] = "file.txt";
   ret = rename(oldname, newname);
   if(ret == 0) {
      printf("File renamed successfully");
   } else {
      printf("Error: unable to rename the file");
   }
}
```

A. File renamed successfully B. Error: unable to rename the file
C. Compile time error D. None of the above

14. The function _____ sets the file position to the beginning of the file.
A. ftell() B. rewind() C. fseek() D. feof()

15. In a file contains the line "I am a boy\r\n" then on reading this line into the array *str* using *fgets()*. What will str contain?
A. "I am good\r\n\0"
B. "I am good\r\0"
C. "I am good\n\0"
D. "I am good"

16. What is the purpose of "rb" in fopen() function used below in the code?

```
FILE *fp;
fp = fopen("file.txt", "rb");
```

A. open "file.txt" in binary mode for reading
B. open "file.txt" in binary mode for reading and writing
C. Create a new file "file.txt" for reading and writing
D. None of above

17. What is the output of this program in the text file?

```
main(){
    FILE* pFile;
    char c;
    pFile = fopen("sample.txt", "wt");
    for (c = 'A'; c <= 'E'; c++) {
        putc(c, pFile);
    }
    fclose(pFile);
}
```

A) ABCD B) ABC C) ABCDE D) None of the mentioned

18. The file contains the string “Kernighan and Ritchie”. What is the output of the following?

```
main(){
   FILE *fp;
    char c[1024];
    fp = fopen("test.txt", "r");
    c[0] = getc(fp);
    fseek(fp, 0, SEEK_END);
    fseek(fp, -7L, SEEK_CUR);
```

```
        fgets(c, 6, fp);
        puts(c);
    }
```
A. Kernig B. ernigh C. Kernigh D. Ritch

19. What will be output of following program?
```
    #include<stdio.h>
    int main(){
        printf("%d",EOF);
        return 0;
    }
```
A. -1 B. 1 C. 0 D. 3

20. The file contains the string “Welcome”. What will be output of following program?
```
    main(){
        char c;
        FILE *fp;
        fp=fopen("myfile.txt","w+");
        fprintf(fp,"to Bishop Heber");
        fclose(fp);
        fp=fopen("myfile.txt","r");
        while((c=fgetc(fp))!=EOF)
            printf("%c",c);
        fclose(fp);
    }
```

A. Welcome B. Welcome to Bishop Heber C. to Bishop Heber D. Error

21. The file contains the string “Welcome”. What will be output of following program?
```
    main(){
        char c;
        FILE *fp;
        fp=fopen("myfile.txt","w");
        while((c=fgetc(fp))!=EOF)
            printf("%c",c);
        fclose(fp);
        return 0;
    }
```

A. No output B. Welcome C. Error D. None of the above

22. The file contains the string “Welcome”. What will be output of following program?
```
    main(){
        char c;
        FILE *fp;
        fp=fopen("myfile.txt","a");
        while((c=fgetc(fp))!=EOF)
            printf("%c",c);
        fclose(fp);
    }
```
A. contents of myfile.txt B. Error C. No output D. None of the above

23. What is the content of the file after executing the following?
```
    main(){
       FILE *fp;
       fp = fopen("file.txt","w+");
       fputs("This is ", fp);
       fseek( fp, 7, SEEK_SET );
       fputs(" a Programming Language", fp);
```

```
   fclose(fp);
}
```
A. This is B. a Programming Language C. This is a Programming Language D. Error

24. What is the output of the following program if the file 'file.txt' is not available?
```
main(){

    FILE *fp;
    char ch;
    int s = 0;
    fp = fopen("file.txt", "r");
    fseek(fp, 0, 2);
    s = ftell(fp);
    printf("%d", s);
    fclose(fp);
}
```
A. 0 B. -1 C. 1 D. 32747

25. The file contains some strings. What is the output of the following?
```
main(){

    FILE *fp;
    char ch;
    int s = 0;
    fp = fopen("file.txt", "r");
    fseek(fp, 0, 2);
    s = ftell(fp);
    printf("%d", s);
    fclose(fp);
}
```
A. 0 B. size of the file C. contents of the file D. address of file

26. What is the output of the following?
```
main(){
      FILE *fp;
      char ch;
      int i,pos;
      fp=fopen("file.txt","r");
      fseek(fp,0,SEEK_END);
      pos=ftell(fp);
      for(i=0;i<pos;i++){
            fseek(fp,-i,SEEK_END);
            printf("%c",fgetc(fp));
      }
```
A. Contents of the file B. Contents of the file in reverse order
C. Few contents of file D. None of the above

27. What is the output of the following?
```
main(){
    FILE *fp1, *fp2;
    char a;
    fp1 = fopen("test.txt", "r");
    do {
      a = fgetc(fp1);
      a = toupper(a);
      putchar(a);
     } while (a != EOF);
   fclose(fp1);
}
```
A. display the contents of the file B. display the contents of the file in small letters

C. display the contents of the file in capital letters D. none of the above

28. What is the output of the following if the file test.txt contains the string “Welcome”?

```
main()
{
   FILE *fp;
   char ch;
   fp = fopen("test.txt", "r");
   fseek(fp, 3, SEEK_SET);
   do {
      ch = fgetc(fp);
      putchar(ch);
   } while (ch != EOF);
   fclose(fp); }
```

A. Welcome B. Wel C. lco D. come

29. What is the output of the following program?

```
main(){
   FILE * fp;
   fp = fopen ("file.txt", "w+");
   fprintf(fp, "%s %s %s %d", "We", "are", "in", 2018);
   fclose(fp);
}
```

A. writes the content “We are in 2018 into file” B. Compile time error
C. Run time error D. None of the above

30. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c",fgetc(fp));
   printf("%c",fgetc(fp));
   fclose(fp);
}
```

A. We B. WW C. Welcome D. me

31. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c",fgetc(fp));
   printf("%c ",fgetc(fp));
   printf("%d",ftell(fp));
   fclose(fp);
}
```

A. We 2 B. WW 2 C. Welcome 7 D. We 7

32. What is the output of the following? The file contains the string “Welcome”.

```
main() {
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c",fgetc(fp));
   fseek( fp, 3, SEEK_SET);
   printf("%d",ftell(fp));
   fclose(fp);
}
```

A. W1 B. W2 C. W3 D. W7

33. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c",fgetc(fp));
   fseek( fp, 3, SEEK_CUR);
   printf("%d",ftell(fp));
   fclose(fp);
}
```

A. W4 B. W5 C. W6 D. W7

34. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c",fgetc(fp));
   fseek( fp, 3, SEEK_CUR);
   rewind(fp);
   printf("%d",ftell(fp));
   fclose(fp);
}
```

A. W1 B. W0 C. W3 D. W-1

35. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   printf("%c ",fgetc(fp));
   rewind(fp);
   printf("%d ",ftell(fp));
   fseek( fp, 0, SEEK_CUR);
   printf("%d",ftell(fp));
   fclose(fp);
}
```

A. W 1 1 B. W 0 0 C. W 1 0 D. W 1 1

36. What is the output of the following? The file contains the string “Welcome”.

```
main()
{
   FILE * fp;
   fp = fopen("file.txt", "r");
   fseek( fp, 0, SEEK_END);
   printf("%c ",fgetc(fp));
   fclose(fp);
}
```

A. e B. W C. me D. No output

37. What is the output of the following? The file contains the string “Welcome”.

```
main(){
   FILE * fp;
   fp = fopen("file.txt", "r");
   fseek( fp, 0, SEEK_END);
   printf("%d ",feof(fp));
   fclose(fp);
}
```

A. 0 B. 1 C. -1 D. 7

38. What is the output of the following?

```
main(){
   FILE *fp;
   char str[] = "Hello";
```

```
        fp = fopen( "file.txt" , "w" );
        fwrite(str , 1 , sizeof(str) , fp );
        fclose(fp);
    }
```

A. Hello is displayed on the screen B. Hello is written into file
C. Some errors in the program D. None of the above

39. What is the output of the following if file.txt doesn't exist?

```
    int main(){
        FILE *fp;
        fp = fopen("file.txt", "r");
        if( fp == NULL ) {
            perror("Error ");
            getch();
            return(-1);
        }
        fclose(fp);
    }
```

A. Error : No such file or directory B. Error
C. Compile time error D. None of the above

40. What is the output of the following?

```
    main()
    {
        FILE *fp;
        char n=65;
        fp = fopen("file.txt", "w");
        putw(n,fp);
        putw(n+1,fp);
        putw(n+2,fp);
        fclose(fp);
    }
```

A. The file is written with "A B C" B. The file is written with "65 66 67"
C. The file is written with "0 1 2" D. Compile time error

**Unit – IV (Key)**

1. D
2. D
3. B
4. B
5. A
6. A
7. B
8. C
9. B
10. A
11. A
12. B
13. A
14. B
15. C
16. A
17. C
18. D
19. A
20. C
21. A
22. C
23. C
24. B
25. B
26. B
27. C
28. D
29. A
30. A
31. A
32. C
33. A
34. B
35. B
36. D
37. A
38. B
39. A
40. A