11 STD – Common Annual Examination

Computer Science – Important Questions

Two Mark Questions:

1. What is computer?
2. What do you mean by an Algorithm?
3. What is a program?
4. What is an application software?
5. Convert the following binary numbers to decimal number. a) 1011_2 b) 10110_2
6. Do the binary addition $10111_2 + 101110_2$
7. Binary subtraction 1101 - 1010
8. Write -27_{10} as an 8 bit 2's complement number?
9. Find $14_{10} – 12_{10}$ using 2's complementary method.
10. What are the main units of a computer?
11. What is the role of ALU?
12. What is an input device?
13. Write the essentials of the stored program concept.
14. What do you mean by memory access time?
15. What is a logic gate?
16. What is Half – adder?
17. Draw a NAND gate symbol and truth table.
18. What is an electronic work bench?
19. What are the types of software?
20. What is operating system?
21. What are the types of OS?
22. What are the goals of operating system?
23. What is multi programming?
24. How many levels of securities provide by OS? What are they?
25. What are the essential requirement for a computer data communication?
26. Mention the different types of networks.
27. Write the benefits of network.
28. Explain WAN.
29. What is TCP?
30. What is an URL?
31. What is a node?
32. What is ISP? Explain?
33. What is Modem?
34. What is internet?
35. What is an E-mail?
36. What is an intelligent modem?
37. Write some search engines.
38. What is windows XP?

39. Describe the different parts of a window.
40. What is desktop? What are the things you see on the Desktop?
41. What is the use of control panel?
42. Define recycle bin. How is it used?
43. What is the use of Run Command?
44. What is WordPad? How do you start WordPad?
45. Write about file name?
46. What is a clipboard? How is it used?
47. What are the two different types of files?
48. What is the difference between copying and moving files?
49. What is an anti-virus?
50. Who is the super user?
51. What are the privileges allowed for the root user?
52. How will you change your current password?
53. What is the difference between mv and cv command?
54. How will you create a directory?
55. How will you know your working directory?
56. Explain the function of man command.
57. How will you delete a directory along with its sub-directory?
58. Explain about cat command?
59. What are the modes of Vi editor?
60. What is a file?
61. What is a flow chart? What are the advantages?
62. Give the properties of an algorithm.
63. What is a pseudo code?
64. What are tokens?
65. Write a C program to display your name in screen.
66. What are the arithmetic operators used in C?
67. Write the syntax of for ( ) loop.
68. What is HTML?
69. Explain a browser?
70. What are three kinds of list tags?
71. Describe paragraph tag?
72. What is the use if meta tag?
73. What are the attributes used along with the <FONT> tag.
74. How do you make an image as a hyperlink?
75. How will you add a background sound in webpage?

Five Mark Questions :

1. Discuss the various computer generations along with characters.
2. Explain the types of computer.
3. Convert the following decimal numbers into their equivalent binary. Octal and hexa decimal numbers? A) 1729 B) 2179

4. Explain the working principle of CPU?
5. Explain the part of CPU.
6. Minimize the Boolean Expression: $\overline{A}\ \overline{B}\ \overline{C} + A\ \overline{B}\ \overline{C} + A\ B\ \overline{C} + A\ B\ C$
7. Draw the logic circuit and truth table for the Boolean function E = A + (B.C) + D
8. Write the Truth table of D = (A.B) + C
9. Explain the network topology.
10. Explain the transmission mode.
11. Explain the different types of view in windows explorer.
12. Explain few icons found in control panel.
13. Describe the different parts of the windows Explorer window.
14. Explain the types of users in linux.
15. Write a program to create your class time table in HTML.
16. What are the different types of lists offered by HTML?

Write the Output of the following C Programs.

```
1.  #include<stdio.h>
2.  #include<conio.h>
3.  main( )
4.  {
5.  int i=1;
6.  clrscr( );
7.  while(i<=5)
8.  {
9.  printf("%d\n",i);
10. i=i+1;
11.}
12.getch();
13.}
```

```
1.  #include<stdio.h>
2.  main( )
3.  {
4.  int  term;
5.  int i;
6.  while(term<=10)
7.  {
8.  printf("%d\t",i);
9.   i=i+term;
10.term = term + 1;
11.}
12.}
```

```
1.  #include<stdio.h>
2.  #include<conio.h>
3.  main( )
4.  {
5.  int  i,j;
6.  i=1;
7.  while(i<=10)
8.  {
9.  j=1;
10. while(j<=i)
11.{
12.printf("%d\t",i);
13.i++;
14.}
15.printf("\n");
16.i++;
17.}
```

Define the errors in the C programs to get the given output.

I.

```
#include(stdio.}
Include<conio.h>
main[]
{
int a,b;
char max;
clrscr( );
{
printF(“Enter 3 numbers:”)
scanF(“%d %d %d”, &a, &b, c);
max = a;
if{>max}
max =b;
if(c>max)
max =c;
Printf(“$d is the maximum”,max)
}
getch( );
}
```

II.

```
# include<Stdio.h>
$ include<conio.h>
MAIN ( )
[
        int n
CLrSCR ( );
PRINT F(“In Enter the Number : \n” ;
SCAMF( “ %d”, & n)
if (n % 2 = = 0);
print f( “ In the given number is Even”);
else
print f( The given number in not Even”);
getch ( );
}
```

Output :

```
        Enter the number :
        24
        The Given number is even.
```

I.

```
#include<stdio.h>
#include<conio.h>
main( )
{
int  term
int i;
i = 1;
term = 1;
while(term<=15);
{
printf("%d", i );
 i=i+term;
term = term + 1;
}
```

II.

```
# include<stdio.h>
# include<conio.h>
# include<math.h>
Void MAIN ( )
{
        int N;
clrscr;
print F(" enter the Numbers : \n" );
Scanf( " %d", & n)
if (n % 2 = = 0);
printf( " \n the given number %d is
even,n):
else
print F( " In  given number %d is not even,
n):
getch ( );
}
```