**Set 2**

**1 marks:**

* C preprocessor is conceptually the first step during compilation.
* [A.](javascript:%20void(0)) true
* [B.](javascript:%20void(0)) false
* [C.](javascript:%20void(0)) Depends on the compiler
* [D.](javascript:%20void(0)) Depends on the standard
* The preprocessor provides the ability for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

[A.](javascript:%20void(0)) The inclusion of header files

[B.](javascript:%20void(0)) The inclusion of macro expansions

[C.](javascript:%20void(0)) Conditional compilation and line control.

[D.](javascript:%20void(0)) All of the mentioned

* Which among the following is odd one out?

[A.](javascript:%20void(0)) printf

[B.](javascript:%20void(0)) fprintf

[C.](javascript:%20void(0)) putchar

[D.](javascript:%20void(0)) scanf

* What is the output of this C code?  
    
      int main()  
      {  
          int i = 5;  
          int l = i / -4;  
          int k = i % -4;  
          printf("%d %d\n", l, k);  
          return 0;  
      }

[A.](javascript:%20void(0)) Compile time error

[B.](javascript:%20void(0)) -1  1

[C.](javascript:%20void(0)) 1  -1

[D.](javascript:%20void(0)) Run time error

* Which of the following is a User-defined data type?

[A.](javascript:%20void(0)) typedef int Boolean;

[B.](javascript:%20void(0)) typedef enum {Mon, Tue, Wed, Thu, Fri} Workdays;

[C.](javascript:%20void(0)) struct {char name[10], int age};

[D.](javascript:%20void(0)) All of the mentioned

* Which of the following declaration is not supported by C language?  
  a) String str;  
  b) char \*str;  
  c) float str = 3e2;  
  d) Both “String str;” and “float str = 3e2;”
* What will be the output of the following C code?

#include <stdio.h>

int main()

{

int y = 10000;

int y = 34;

printf("Hello World! %d\n", y);

return 0;

}

* Compile time error
* Hello World! 34
* Hello World! 1000
* Hello World! followed by a junk value
* What will be the final value of x in the following C code?

#include <stdio.h>

void main()

{

int x = 5 \* 9 / 3 + 9;

}

* 3.75  
  b) Depends on compiler  
  c) 24 ans   
  d) 3
* What will be the output of the following C code snippet?

#include <stdio.h>

void main()

{

1 < 2 ? return 1: return 2;

}

* returns 1  
  b) returns 2  
  c) Varies  
  d) Compile time error
* What will be the data type returned for the following C function?
* #include <stdio.h>
* int func()
* {
* return (double)(char)5.0;
* }
* char  
  b) int  
  c) double  
  d) multiple type-casting in return is illegal

 2 marks

* What is the output of this C code?  
   (7 and 8 are entered)  
    
      void main()  
      {  
          float x;  
          int y;  
          printf("enter two numbers \n", x);  
          scanf("%f %f", &x, &y);  
          printf("%f, %d", x, y);  
      }

[A.](javascript:%20void(0)) 7.000000, 7

[B.](javascript:%20void(0)) Run time error

[C.](javascript:%20void(0)) 7.000000, Junk

[D.](javascript:%20void(0)) Varies

* What will be the final values of i and j in the following C code?
* #include <stdio.h>
* int x = 0;
* int f()
* {
* if (x == 0)
* return x + 1;
* else
* return x - 1;
* }
* int g()
* {
* return x++;
* }
* int main()
* {
* int i = (f() + g()) | g(); *//bitwise or*
* int j = g() | (f() + g()); *//bitwise or*
* }
* i value is 1 and j value is 1
* i value is 0 and j value is 0
* i value is 1 and j value is undefined
* i and j value are undefined
* What is the output of this C code?  
    
  int main()  
  {  
  int x = 1;  
  int y = x == 1 ? getchar(): 2;  
  printf("%d\n", y);  
  }

[A.](javascript:%20void(0)) Compile time error

[B.](javascript:%20void(0)) Whatever character getchar function returns

[C.](javascript:%20void(0)) Ascii value of character getchar function returns

[D.](javascript:%20void(0)) 2

* What is the output of this C code?  
    
  int main()  
  {  
  int a = 2;  
  int b = 0;  
  int y = (b == 0) ? a :(a > b) ? (b = 1): a;  
  printf("%d\n", y);  
  }

[A.](javascript:%20void(0)) Compile time error

[B.](javascript:%20void(0)) 1

[C.](javascript:%20void(0)) 2

[D.](javascript:%20void(0)) Undefined behaviour

* What will be the data type of the expression (a < 50) ? var1 : var2; provided a = int, var1 = double, var2 = float
* [A.](javascript:%20void(0)) float
* [B.](javascript:%20void(0)) int
* [C.](javascript:%20void(0)) double
* [D.](javascript:%20void(0)) Cannot be determined