**Task2:** Conceptual Questions in Programming

[Ref:T1– Pg.no:34,35,140,141,171,172,190,191,211,212,247-248,269-271,319,320,400,401]

1. What is the value assigned to the variable X if b is 7.

X = 7 >8 ? b << 3:7 >4 ? 7 >> 1: b;

1. What will be printed by the code below? int main()

{

printf(“Hi Friends”+3); return 0’

}

1. What will be printed as the result of the operation below? int main()/

{

char a=5,b=9; printf(“%d\n”,a&b);

return 0;

}

1. What is the value assigned to the variable z

int main(void)

{

int a=0,b=; if(!a)

{

b =!a;

if(b)

a =!b;

}

printf(“%d %d\n”,a,b); return 0;

}

1. What will be printed as the result of the operation below?

int main()

{

int x=5,y=-11,a=2,b=8; int z=x++ **- --**y \* b / a; printf(“%d”,z);

return 0;

}

1. What will be printed as the result of the operation below? int main()

{

char a=5,b=9; printf(“%d”,b>>1; return 0;

}

1. Find the output: #include <stdio.h> main()

{

int i;

int \*pi = &i; scanf("%d", pi);

printf("%d\n", i+5);

}

1. Find the output:

double f(double x)

{

if (abs(x\*x - 3) < 0.01) return x; else return f(x/2 + 1.5/x);

}

9.charinchar = 'A'; switch (inchar)

{

case 'A' :

printf ("choice A \n") ; case 'B' :

printf ("choice B ") ; case 'C' :

case 'D' :

case 'E' :

default:

printf ("No Choice") ;

}

10.

What output will be generated by the given code d\segment if: Line 1 is replaced by “auto int a = 1;”

Line 2 is replaced by “register int a = 2;” int a, b, c = 0;

voidprtFun (void); int main ()

{

static int a = 1; /\* line 1 \*/ prtFun();

a += 1;

prtFun();

printf ( "\n %d %d " , a, b) ;

}

voidprtFun (void)

{

Static int a = 2; /\* line 2 \*/ int b = 1;

a += ++b;

printf (" \n %d %d " , a, b);

}