C SET 3

1)

#include<stdio.h>

int main()

{

int x = 10,int y = 10;

if ( !(^xy)

Printf(" x is equal to y ");

else;

printf(" X is not equal to Y ");

return 0;

}

Ans:

(i) int x = 10 ; int y = 10;

(ii) xor declaration if ( !(x^y)

(iii) small p in printf(" x is equal to y ");

(iv) closing ) after if

(v) no ; after else

**2)**

#include <stdio.h>

int main()

{

int base, int exponent;

long result = 1;

printf("Enter a base number: ");

scanf("%d", &base)

Printf("Enter an exponent: ");

scanf("%d", &exponent);

while (exponent != 0)

{

result =\* base;

--exponent;

}

printf("Answer = %ld", long result);

return 0;

}

**Ans:**

(i) int base; int exponent;

(ii) missing ; after scanf(“….”,….);

(iii) printf() not Printf()

(iv) result \*= base;

(v) printf(“……”, result) not long result

3)

#include<stdio.h>

int b = 10;

int main()

{

{

int a=10;

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

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

func\_1();

func\_2();

int a =20;

printf("Inner a = %d\n", a);

}

printf("Outer a = %d\n", a);

}

void func\_1()

{

printf("From func\_1() a = %d\n", a);

printf("From func\_1() b = %d\n\n", b);

}

int func\_2()

{

int a = 5;

printf("Inside func\_2 a = %d\n"; a);

}

Ans:

(i) int hcf(int n1,int n2)

(ii) semicolon after (i) statement

(iii) print(“……”,hcf(n1,n2));

(iv) int hcf(int n1,..)

(v) int hcf(..,int n2)

**4)**

#include<stdio.h>

int a,b;

void func\_1();

void func\_2();

Integer a,b= 10;

func\_1();

int main()

{

int a;

func\_1();

func\_1();

func\_2();

return 0;

}

int a;

void func\_1()

{

int a = 1;

Static int b = 100;

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

printf("b = %c\n\n , b);

a++;

b++;

}

Ans:

(i) demo\_s=” “. Double quotes

(ii) demo\_str=” “. Double quotes

(iii) while(demo). Demo undeclared

(iv)missing paren }

(v) missing return

5)

#include <stdio.h>

#include <conio.h>

#include<malloc.h>

void main()

{

int n,\*p,i,h;

printf("\nHOW MANY NUMBERS: ");

scanf("%d",&n);

p=(int \*) malloc(n\*2);

if(p==NULL)

{

printf("\nMEMORY ALLOCATION UNSUCCCESSFUL");

exit(3);

}

for(i=0;i<n;i++)

{

printf("\nENTER NUMBER %d: ",i+1);

scanf("%d",(p+i));

}

\*h=\*p;

for(i=1;i<n;i++)

{

if(\*(p+i)>h)

\*h=\*(p+i);

}

printf("\nTHE HIGHEST NUMBER IS %d",\*h);

getch();

}

Ans:

(i),(ii),(iii) In all the places its only h not \*h

Invalid type argument of unary \*

**6)**

#include<stdio.h>

#include<conio.h>

#define ROW 3

#define COL 3

void dis(int a[][COL],int,int);

void trans(int a[][COL],int,int);

void main()

{

int a[ROW][COL];

a[0][0] = 1; a[0][1] = 2; a[0][2] = 3;

a[1][0] = 4; a[1][1] = 5; a[1][2] = 6;

a[2][0] = 7; a[2][1] = 8; a[2][2] = 9;

printf("\nThe matrix is \n");

dis(a,ROW,COL);

trans(a,ROW,COL);

printf("The tranpose of the matrix is\n");

dis(a,ROW,COL);

getch();

}

void dis(int d[3][3 ],int i,int k)

{

int j,l;

for(j=0;j<i;j++)

{

for(l=0;l<k;l++)

printf("%d ",d[j][l]);

printf("\n");

}

}

void trans(int mat[][3],int k ,int l)

{

int i,j,temp;

for(i=0;i<k;i++)

for(j=a+1;j<l;j++)

{

temp[i][j]=mat[i][j];

mat[i][j]=mat[j][i];

mat[j][i]=temp[i][j];

}

}

Ans:

(i) in last for(j=a+1……) a is undefined

(ii),(iii) not temp[i][j] only temp