Set A

1. WAP to convert decimal number to binary number using recursion. (4)

2. Discuss the four features of object oriented programming. (4)

3. Write the output of the following code.

main( ){

increment( ) ;

increment( ) ;

increment( ) ;}

increment( )

{

static inti = 1 ;

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

i = i + 1 ;

}

Set B

1. WAP to find the second smallest element from a list of student's marks using dynamic memory allocation. (5)

2. Compare & contrast between structure and union with example. (3)

3. Write the output of the following code. (2)

int main(void)

{ int a[5]={10,20,30,40,50};

for(i=0;i<5;i++)

printf("%d\t", \*a+i);

}

Set A

1. WAP to store student information of a class using structure. Program must contains functions for the following four operation.

a) To collect the student detail. (1.5\*4=6)

b) Display the student detail.

b) Modify the student's detail.

c) Calculate the student's CPI.

[Student's information must contain a) name, b) scholar number, c) list of marks].

2. Define class & object with an example for each. (4)

Set B

1. WAP to reverse an input integer number using recursive function. Example: i/p: 43287, o/p: 78234. (4)

2. Discuss the four features of object oriented programming. (4)

3. Write the output of the following code. (2)

int main(void)

{ int a[3]={1,2,3}, b[3]={1,2,3};

if(a==b)

printf("Same\n");

else

printf("Different")

return 0; }