

Subject :Object-Oriented Programming

CT-1st

Time : 1 Hour

M.M : 15

Note : Attempt All question

1. State whether the following statements are True or False: (1x5=5)
 - a) Wrapping up data of different types into a single unit is known as encapsulation.
 - b) Polymorphism is extensively used in implementing inheritance.
 - c) The main emphasis of procedure-oriented programming is on algorithms rather than on data.
 - d) The concept of using one operator for different purpose is known as operator overloading.
 - e) In C++ , a function contained within a class is called a member function.
2.
 - a) How are data and functions organized in an object-oriented program? (2.5)
 - b) Distinguish between the following terms: (2.5)
 - i) Objects and classes
 - ii) Data abstractions and Data encapsulation.
 - iii) Inheritance and polymorphism.
 - iv) Dynamic binding and message passing.
3. Identify the error in the following program. (5)
 - a)

```
#include<iostream.h>
void main()
{
int l =0;
i=i+1;
cout<<i<<" ";
/*comment\*/i=i+1;
cout<<i;
}
```
 - b)

```
#include<iostream.h>
void main()
{
Short i=2500,j=3000;
cout>>"i+j=">>-(i+j);
}
```
 - c)

```
#include<iostream.h>
void main()
{
int i=10,j=3;
int m=0;
int d=0;
m=i%j;
cout<<m<<" ";
```

```
d=i/m;
cout<<d;
}
d) #include<iostream.h>
void main()
int i=0;
i=400*400/400;
cout<<l;
}
e) #include<iostream.h>
void main()
{
void*gp;
int*ip;
ip=gp;
}
```