

slam aj oop ka paper tha

- 1) object oriented model banana tha course assignments quiz gdb etc. sy or relationship btani the. 5 marks
- 2) function overloading sy aik Q tha c++ code required tha. 5 marks
- 3) c++ code given tha or association ki type btani the
- 4) friend function create prog. bugs is ko explain krna tha

CS:304 My Today's Paper

29/11/2011

12:00 Pm

Question.1

Why we generally avoid overloading of () operator for any class? (2)

Question.2

What is simple association? Explain with example? (2)

Question.3

Considering the following scenario? (3)

A class X does not have any overload operators and has a member function "Substraction" to subtract two object of X, and then placing the result in third object, where third object is the calling object.

Write a single statement that performs the above functionality. You can take any name for the three object of class X.

Question.4 (3)

Consider the following code segment.

```
Class User {
```

```
Private;
```

```
Int x, y;
```

```
Public;
```

```
User Operator - ();
```

```
};
```

Overload the unary minus operator (-) for "user" class, when it is a member function of class "user".

Question.5 (6)

Non-static variable can be accessed through objects of class. list any two way with C++ coding Example.

Question.6 (6)

Consider the following complex class,

Find the overloaded?

Class complex {

Private;

Double real, img;

Public;

Complex c1;

Complex c2=1.546- c1

Complex c3 =c1 -2.456;

Question No: 21 (Marks: 2)

Write down C++ code for unary operator overloading.

Question No: 22 (Marks: 2)

Friend functions increase 'Programming bugs'. What is your opinion?

Question No: 23 (Marks: 3)

Explain overloading?

Question No: 24 (Marks: 3)

Give c++ code to overload unary '--' operator for **complex** numbers class.

Question No: 25 (Marks: 5)

Write down the out put of the following code:

```
class Student{ ...
public:
static int noOfStudents; Student();
~Student();
...
};
int Student::noOfStudents = 0; Student::Student(){
noOfStudents++;
}
::~~Student(){
noOfStudents--; }
int Student::noOfStudents = 0;
int main(){
cout /font>
cout /font>
Student studentB;
cout /font>
```

}

Question No: 26 (Marks: 5)

What are Accessor Functions, Explain with an example.

Question No: 1 (Marks: 1) - Please choose one

Suppose that the Test class does not have an overloaded assignment operator. What happens when an assignment $a=b$; is given for two Test objects a and b?

- ▶ The automatic assignment operator is used
- ▶ The copy constructor is used
- ▶ Compiler error
- ▶ Run-time error

Question No: 2 (Marks: 1) - Please choose one

a' A static member function can be called, even when a class is not _____.

- ▶ Declared
- ▶ Define
- ▶ Instantiated
- ▶ Called

Question No: 3 (Marks: 1) - Please choose one

Identify which of the following overloaded operator function's declaration is appropriate for the given call?

Rational_number_1 + 2.325

Where Rational_number_1 is an object of user defined class Rational_number.

- ▶ Rational_number operator+(Rational_number & obj);
- ▶ Rational_number operator+(double& obj);
- ▶ Rational_number operator+(Rational_number &obj, double& num);
- ▶ operator+(double& obj);

Question No: 4 (Marks: 1) - Please choose one

What problem(s) may occur when we copy objects without using deep copy constructor?

- ▶ Dangling pointer
- ▶ Memory Leakage
- ▶ All of the given
- ▶ System crash

Question No: 5 (Marks: 1) - Please choose one

_____ provide the facility to access the data member.

- ▶ accesser function
- ▶ private function
- ▶ inline function
- ▶ None of the given

Question No: 6 (Marks: 1) - Please choose one

Constant objects cannot change their state,

- ▶ True
- ▶ False

Question No: 7 (Marks: 1) - Please choose one

The _____ relationship indicates that an object contains other objects.

- ▶ None of given
- ▶ 'has-a'
- ▶ 'is-a'
- ▶ 'be-

Question No: 8 (Marks: 1) - Please choose one

Which one of the following features of OOP is used to derive a class from another?

- ▶ Encapsulation
- ▶ Polymorphism
- ▶ Data hiding
- ▶ Inheritance

Question No: 9 (Marks: 1) - Please choose one

_____ is a relationship

- ▶ Inheritance
- ▶ Polymorphism
- ▶ abstraction
- ▶ encapsulation

Question No: 10 (Marks: 1) - Please choose one
_____satisfy the condition of polymorphism

- ▶ Carbon
- ▶ Diamond
- ▶ Coal
- ▶ all of the given

Question No: 11 (Marks: 1) - Please choose one

A generalization-specialization relation between classes are implemented using

- ▶ data hiding
- ▶ friend classes
- ▶ encapsulation
- ▶ inheritance

Question No: 12 (Marks: 1) - Please choose one

The >= operator can be overloaded.

- ▶ True
- ▶ False

Question No: 13 (Marks: 1) - Please choose one

In order to free the memory occupied by the object, we use -----

- ▶ Constructor
- ▶ Destructor
- ▶ Shallow Copy
- ▶ Deep Copy

Question No: 14 (Marks: 1) - Please choose one

Which of the following is not an example of multiple inheritances?-----

- ▶ Mermaid
- ▶ Woman
- ▶ None of the given
- ▶ Amphibious Vehicle

Question No: 15 (Marks: 1) - Please choose one

Static variable can be initialized more than once.

- ▶ True
- ▶ False

Question No: 16 (Marks: 1) - Please choose one

A generic class showing all the common attributes and a behavior of other classes represents a very important feature in oop called -----

- ▶ Inheritance
- ▶ Encapsulation
- ▶ Polymorphism
- ▶ Abstraction

20 mcqs

6 subjective

Mostly mcqs from past papers – but 2 subjective questions from Past papers.

Subjective Part

Question 21:- (2 Marks)

Can constant object access the none constant member function of each class.

Answer:- (Page 106)

"Const objects can access only const member functions so chances of change of state of const objects once they are created are eliminated."

Question 22:- (2 Marks)

Friend functions minimize "Encapsulation", what is your opinion?

Answer:- (PAGE 153)

Friend functions minimize encapsulation as we can access private data of any class

Using friend functions,

This can result in:

v Data vulnerability

v Programming bugs

v Tough debugging

Question 23:- (3 Marks)

Write output of given code

Question 24:- (3 Marks)

Write output of given code

Question 25:- (5 Marks)

Correct the code given

Question 25:- (5 Marks)

Suppose a course consists of 45 lectures, 6 Assignments, 4 quizzes, 1GMDb also each lecture consists on 1 MDB

Find given below Association between different objects in this problem

Simple Association

Composition

Answer:-

Simple Association: - there is Simple Association between Lecture and MDB

Composition: - there is composition relation ship between course and its composer objects lectures, quiz, MDB, Assignments

Cs304 current papers of fall 2011

Date: 02-Dec-2011

Time: 12:00 PM

Current paper of CS304

Write coding of Subscript[] in C++?

Pre and post decrement operator overloading, write coding in C++

C++ coding was given , we have to check errors

Next:

- 1) object oriented model banana tha course asgnmnts quiz gdb etc. sy or relation ship btani the. 5 marks
- 2) function overloading sy aik Q tha c++ code required tha. 5 marks
- 3) c++ code given tha or association ki type btani the
- 4) frnd function create prog. bugs is ko explain krna tha

Next

CS:304 My Today's Paper

29/11/2011

12:00 Pm

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```

Double real, img;

Public;

Complex c1;

Complex c2=1.546- c1

Complex c3 =c1 -2.456;

student long qs sare programming k the overloading operators k 3 qs or ek or tha programmin overloading operator - and * and *= ka complex class function ka code tha ...and 2 marks wale..

- 1) can we create Array of objects? give reason
 - 2) friend class can be cause of "Programming bugs"?
- baki sare programming k qs the

Most of Mcq's were from past papers... specially topics aggregation, encapsulation, specialization and composition... total 20 MCQ's and 2 questions of 2 marks and 2 questions of 3 marks and 2 questions of 5 marks
Coding is required to solve the paper....
Gud Luck All.... And also pray for my papers :)

oh God thanks, paper acha ho gya.. thanks again Sister (Qudsia) your files and idea was so helpful . mostly the objective part were from these files and past papers and subjective part was new for me.

1- write 4 operators which can be overloaded.

2- why we use protective specifiers?

sorry gys i didn't note the code so i forgot you should practice how to implement code and write textual form for any Object Model...

best of luck for all and need prays.....

Regards

AOA

fellows

Mcq old paper main sy thay

or subjective different thay coding di the un ka btana tha kh yh kea ha theory question koi ni aya mujh.

2: coding the us ki association btani then 2marks

3: coding of program us ki classes batni then

4: coding of program us mian btana tha kh kis main copy constructor use ho ga or kis main default con...

5: overloading data membership kay code lekhny thy

6: ek pora program bana tha woh mujh yad nimyra paper to tough tha un nay pori kosis ki kh main pass na hn

50% quiz from Past papers

Q.1 Can const objects change the values of member variables of their classes? 2 marks

Q. 2 Consider the following call of an overloaded "+" operator

Rational_number-1 + Rational_number-2;

Identify which object will be passed as an argument to the overloaded function, give at least one solid reason.

Hint: Rational_number-1 and Rational_number-2 are objects.

Q. 3 A class X is given and a member function is Subtract which subtracts two objects and gives result in 3rd. 3rd object is a calling object. Justify all functionality in one statement.

Q.4 Creation process of an object and primitive data type is somehow different for each other.

write all steps which are required for

Object creation

Primitive data type

Q.5 Ek Q Complex overloaded operation ka tah jis men ^ symbol k liay overloaded operator use krna tha or Power formula banana tha. ye Past paper men b he.

or ek yad nhi

1- write 4 operators which can be overloaded.

2- why we use protective specifiers?

sorry gys i didn't note the code so i forgot you should practice how to implement code and write textual form for any Object Model...

best of luck for all and need prays.....

1- write 4 operators which can be overloaded.

2- why we use protective specifiers?

sorry gys i didn't note the code so i forgot you should practice how to implement code and write textual form for any Object Model...

best of luck for all and need prays.....

CS304 midterm paper 27 may 2013 (spring)

Question1: (3 marks)

Consider the following class diagram:

Which type of relationship exists between the given classes?

Implement data members and member functions in C++ with appropriate data types (just need prototype).

Implement the relationship between the two classes in C++.

Question2:

Consider the following code segment:

```
class Course{
private:
char * bufferPtr;
int size;
public:
Course();
Course(char * ptr);
void SetCourse(char c, int pos);
};
```

Implement the SetCourse method, such that it changes a single character at nth location of string pointed by bufferPtr pointer.

Question3:-

Identify binary and unary operators? (2 marks)

sizeof, %, &&, &

Question4:-

what is a friend function ? And what are its uses? (2 marks)

Question5:-

Consider the code given below explain what kind of association exists between class A and class B. Justify your answer as well.

```
class A{
```

```
private:  
int a,b,c;
```

```
public:  
....  
};
```

```
class B{
```

```
private:  
int d,e,f;  
A * obj1;
```

```
public:  
....  
};
```

Question6:-

Consider the following code segment:

```
class String  
{  
int size;  
char * bufferPtr;  
public:  
char & operator[](int);  
};
```

Write C++ code to overload subscript [] operator for String class.

plz koi ye solve kar de. plzzzzzzzzzz

Q.1 Can const objects change the values of member variables of their classes? 2 marks

Q. 2 Consider the following call of an overloaded "+" operator

Rational_number-1 + Rational_number-2;

Identify which object will be passed as an argument to the overloaded function, give at least one solid reason.

Hint: Rational_number-1 and Rational_number-2 are objects.

Q. 3 A class X is given and a member function is Subtract which subtracts two objects and gives result in 3rd. 3rd object is a calling object. Justify all functionality in one statement.

Q.4 Creation process of an object and primitive data type is somehow different for each other.

write all steps which are required for

s304 MID (08 Dec 2012) 11am paper

Q. Write 2 plus plus code to overload subscript[] operator for string class. (5 marks)

Q. Suppose we have a base class vehicle and a derived van. describe the accessibility of public, protected and private members of base class. "vehicle" in derived class "van" in case of public inheritance. (3 marks)

Q. Can we create an array of objects for a class having default constructor? Justify your ans. (2 marks)

Q. differentiate between overloaded ++ operator in prefix and post-fix. (2 marks)

Timing : 9am 08-12-2012

MCQ are mostly from past papers. 20 marks

1. List of two operators that can't be overloaded? (2 marks)
2. Consider the following call of an overloaded "+" operator. (2 marks)

Rational_number1 + Rational_number2;

Identify which object will be passed as an argument to the overloaded function. Justify your answer with at least 1 solid reason?

1. Consider the following scenario: (3 marks)

A class X does not have any overloaded operator and has a member function "Subtract" to subtract two objects of X, and then placing the result in third object.

Where third is a calling object.

1. Consider the following diagram. (5 marks)

Study program

Code

[IMG]file:///C:/Users/Ahmed/AppData/Local/Temp/msohtmlclip1/01/clip_image001.gif[/IMG]title

Select

List courses

View

Read

Course

Code

[IMG]file:///C:/Users

\Ahmed\AppData\Lo

cal/Temp/msohtmlcli

p1/01/

clip_image002.gif[/I

MG]Add

Select

View

Read

What type of relationship exist

Implemented data members and member function in C++ with appropriate data types.

Implement the relationship between classes in C++.

1. Ik function ta string ka (3 marks)

1. Ik istara ka question ta k Relationships define karna ta in which women is a derived class and lady doctor is a base class. List banana the. (5 marks)

my today's paper....

20 objectives n 6 subjective.....

1.this pointer are not accessible for _____.

2.A generalization-specialization relation between classes are implemented using

- ▶ data hiding→
- ▶ friend classes→
- ▶ encapsulation→
- ▶ inheritance→

3.A class can be identified from a statement by _____.

4.the member of the class that can be accessed and work as interface _____.

5.A class can be identified from a statement by -----

- ▶ Noun (Page 58)→
- ▶ Pronoun→
- ▶ Verb→
- ▶ Adverb→

6.Which one is not keyword in C++?

- ▶ operator
- ▶ B_op ▶ const ▶ None of given

subjective:

when static member of the class are initialized?justify your answer.(2)

write two different ways to overload the post increment operator?(2)

how can we overload stream extraction and insertion operator?(3)

1 class was given don't remember ,question was where the +,-,* are overloaded and these are from left to right.(3)

what are accessor function ? explain with example(5)

write c++ code to overload subscript[] operator for string class.(5)

1. Friend functions increase 'Programming bugs'. What is your opinion?

2. What is difference between simple association and composition?

3. Consider the following code segment:

```
class Complex {  
private:  
double real, img;  
public:  
.....  
};
```

Overload the division operator "/" for "Complex" class, when division operator is a member function of "Complex" class.

4. Consider the following code segment:

```
class Complex{  
private:  
double real, img;  
public:
```

```
// declaration of overloaded subtraction operator
```

```
// declaration of overloaded multiplication operator
```

```
};
```

```
// Implementation of overloaded subtraction operator
```

```
// Implementation of overloaded multiplication operator
```

5. Give the declarations and implementations of each overloaded operator.

6. “Data member variables” are the most important part of the program that needs to be

Suppose we have a **Base class Woman** and a **Derived class Lady Doctor**

7. Describe the case in which we can use derived class “Lady Doctor” Member Initialization List to initialize the base class “Woman” data members. Give a practical example.

Q1. What does you meant by static data member in c++? Illustrate your answer with examples.

Q2. what does you meant by anonymous base class. Illustrate you answer with some examples.

Q3. explain the concept of overloading to convert a type

Q4. Consider the code below

```
Class complex {
```

```
Private:
```

```
Double real,img;
```

```
Public
```

```
    // declaration of overloaded subtraction operator
```

```
    // declaration of overloaded multiplication operator
```

```
};
```

```
    // implementation of overloaded subtraction operator
```

```
    // implementation of overloaded multiplication operator
```

```
};
```

Give the declaration and implementation of each overloaded operator?

Q5. consider the following call of an overloaded “+” operator

```
Rational_no_1+Rational_no2;
```

Identify which object will be passed as an argument to the overloaded function, justify your answer with solid reason.

Q6. Consider the code below

```
Class A{
```

```
Private:
```

```
Int a,b,c;
```

```
Public:
```

```
.....
```

```
}
```

```
class B {
```

```
private:
```

```
int d,e,f;
```

```
A*obj1;
```

```
Public:
```

```
....
```

```
};
```

What kind of association between A and B? Justify your answer.

My today cs304 subjective paper

- 1) Friend function minimize “Encapsulation” what is your opinion? Marks 2
- 2) Can we create array of object for a class having user defined constructor? Justify your answer. Marks 2
- 3) Write c/c++ code to overload an assignment operator for complex class. Marks 3
- 4) What will be the output after executing following lines of code, (suppose there is no error and code will be executed correctly) justify your answer as well. Marks 3

```
Class student {
Static int noOfStudent;
Int rollNo;
Public:
Student::student() {
No OfStudent++;
}
Student::~~student () {
noOfStudents--;
}
Static int getTotalStudent () {
Return noOfStudent;
}
};
Int Student:: noOfStudent =0;
Int main () {
Student obj1 , obj2;
{
Student obj3,
}
Cout student:: getTotalStudent ( );
}
```

- 5) write c/c++ code of overloading ^ operator in complex number class. Marks 5
If we have two objects of complex number class as follows, $\text{complex obj3} = \text{obj1} \wedge \text{obj2}$;
Obj3 real and imaginary parts will be ,
Hint :-you can build a function power (x,y) that returns the result of .

- 6) Consider the Object Model Diagram given below , and give the answer of the questions given at the end. Marks 5

You are required to illustrate above diagram briefly in narrow/ textual form ,also identify at east three abstract class from the above diagram.

Q.1. Can constant object access the non constant member function of the class? Marks 2

Q.2. Friend function increase “programming bugs”, what is your opinion? Marks 2

Q.3. Consider the following code segment Marks 3

```
Class Course{
Private:
Char*bufferptr;
Int size;
Public:
Course( );
```

```
Course (char*ptr);
Void set course (char c,intpos);
};
```

Implement the set course method, such that it changes a single character at nth location of string pointed by buffer ptr pointing.

Q.4. Creation process of an object & primitive data types is somehow different from each other. You are required to write all steps which are required for Marks 3

- i) object creation
- ii) primitive data type creation

Q.5 consider the following code segment

```
Lass complex
```

```
{
Double real,img;
Public:
Complex & operator –();// pre-decrement
Complex operator – (int); // post decrement
}
```

Write c++ code to overload pre-decrement and post decrement operators for ” Complex class”

Q.1,2 and 5 are from past paper

Aslam-O-Alikum.

MCQ's mostly conceptual thy but easy thy. jaisa k Insertion or Extraction k sign pochay, or constant or static variable or this pointer en sy related mcq's thy. Khuch past papers sy b aaye thy.

Q1:-

ik code diya how tha c1-c2-c3, or pocha tha k compiler es structure ko samjh k khud esy appropriate form main ly aaye ga? **2 Marks.**

Q2:-

ik question tha, can constant object access the none constant member function of each class? **2 Marks**

Q3:-

Assignment overloading operator k program likhna tha. **3 Marks**

Q4:-

Object Oriented model banana tha, or simple, composition, aggregation relationship b show krwany thy . A university have 45 lectures of subjects and their 6 Assignment, 1 Quiz, MDB, GDB. **5 Marks**

Q5:-

Pre-Decrement or Post-Decrement k overloading program likhny thy. **5 Marks**

waisy overall paper esy tha mcq's b .

Best Of luck.

ALLAH HAFIZ.

Fall 2012_CS304_Midterm

(17/12/2012)

Which part of an object exhibits its state?

- **Data**
- Operations
- Any public part
- Any private part

What problem(s) may occur when we copy objects without using deep copy constructor?

- Dangling pointer
- Memory Leakage
- **All of the given**
- System crash

Which operator can not be overloaded?

- >=
- =
- []
- ? :

A C++ class is similar to -----

- **Structure**
- Header File
- Library File
- None of the given

Which one of the following features of OOP is used to derive a class from another?

- Encapsulation
- Polymorphism
- Data hiding
- **Inheritance**

_____ is a relationship

- **Inheritance**
- Polymorphism
- Abstraction
- Encapsulation

Which operator can not be overloaded?

- >
- =
- >
- :

A class can be identified from a statement by -----

- Noun
- Pronoun
- Verb
- Adverb

Which property of an object distinguishes it from other objects?

- Identity
- Behavior
- Messages

Can constant object access the none-constant member function of each class? (2)

Assalam-0-Alaikum

My Today paper cs304

17-12-2012

1:-What is the relationship between the given class?

Write c++ code for that classes? (marks 5)

2:-. power wala program likhna tha (5 mark)

3:-how would you describe binary operator? And overload any operator using any class? (3 marks)

4:-coding d we te kisse program k r kaha gaya ta k is me kya error ha? (3 marks)

some Mcqs were from past papers.

Thanks.

MY TODAY'S PAPER OF oop's

T.Q:26 in which

20 are McQs and short Questions of 2 marks ,3 marks containing 2 questions and finally 2 questions of 5 marks..

now the topics are inheritance. abstraction ,polymorphism and most important topic iz

static variables its relating coding such as its data members, its constructor and de-structor

paper was easy mcq's mostly from MOOAZ so do prepare it! \$o good luck!!!

my today paper of cs304

ver easy paper

1. In a class, objects cannot have common _____.

Behavior

Attributes

States

Names (correct)

2. If a static variable is not explicitly initialized at the time of its definition then,

The compiler will give an error message

The compiler will give a warning message

The compiler will initialize it with value Zero. (correct)

The program terminates

3.A class can be identified from a statement by -----.

Noun(correct)

Pronoun

Verb
Adverb

4. Abstract classes have.....object/s, while concrete classes haveobject/s.

One, One
More than one, more than one

No, One or more (correct)

No, One

5. By default, which access level is assigned to members of a class?

Public

Private (correct)

Local

Protected

6.If you do not initialize static variable of int type then it is automatically initialized with _____.

0 (correct)

1

-1

Null

7.Why we should avoid the use of friend function/class?

Friend function/class minimizes encapsulation(correct)

Difficult to use

Decreases complexity

Increase program code size

8.We capture the object attributes and behavior in Object Oriented programming using-----.

Instances

Class (correct)

Function

Data Members

9.Inheritance is a way to

organize data.

pass arguments to objects of classes.

add features to existing classes without rewriting them. (correct)

improve data-hiding and encapsulation.

10. The ability to derive a class from more than one classes is called,

Single inheritance

Encapsulation

Multiple inheritance (correct)

Polymorphism

11.An overloaded operator always requires _____ argument than its number of operands.

One less (correct)

One most

Two less

Three most

12."This pointer" does not pass implicitly to _____ functions.

Static member (correct)

Non-static member

Instance member

Constant member

My Today paper of cs304

very easy paper

Subjective

Question No. 21.

```
class Complex {
```

```
private:
```

```
double real, img;
```

```
public:
```

```
-----
```

```
};
```

Overload division for Complex class

All quizzes are in my file only prepared this file

85% midterm paper in this file

Why we write insertion and extraction operator overloading using friend function? 2 marks

Can const data members access const member functions? 2 marks

There was a code for static data member, we have to write output for that. 3 marks

Write C++ code for operator ++. 3 marks

Write code for ^ operator for complex class. 5 marks

University scenario, courses, lectures etc, make object oriented model. 5 marks

14 MCQs were from moaaz file

Subjective;

1- What is simple association?? Explain with an example?.....(2 marks)

2- (Marks: 3)

Consider the class given below what will be the values in variables x,y and z after creating object of this class,

```
class ABC{
```

```
int x;
```

```
int y;
```

```
int z;
```

```
public:
```

```
ABC();
```

```
};
```

```
ABC::ABC():x(10),z(x),y(x)
```

```
{
```

```
...
```

```
}
```

3- Explain what type of copy the default assignment operator "=" does when applied to objects.

(3 marks)

Above 3 ques are from moaaz file.

4- How does a compiler know whether it is a post increment operator? (2 marks)

is ka answer pg 165 hondouts

5- Give C++ code to overloaded unary "--" operators to complex member class.(5 marks)

Answer:- (Page 165)

aik ques bhol gia 5 marks ka tha..mjy nai ata tha

MY TODAY'S PAPER OF oop's

1: which of the following in the way to extract common behaviour, and attributes from the given class and make a separate class of those common behavior and attributes

2: the phenomena of single method having different form called.....

3:- an overload operator always requires argument that its number of operands.....

4:- in class object can not be common state

5:- constant objectchange its state

Ans:- can

6:- A friend function can be used to.....

Ans:- member function

2 marks question:- consider the following call of an overloading "+" operator

Rational_Number_1 + Rational_number_2

identify which object will be passed as an argument to the overloading function.

justify your answer with solid reason.

Hint:- Rational_number_1 and Rational_number_2 are user defined objects:

baqi question main code de hui thi error batna thar aik code likhna b tha 5 marks ka

today my CS304 mid term paper 12:00

60 % paper from past paper and moaaz bhai

total 26 questions

20 mcqs jo k zyada tr moaaz ki file se thi aur

2 number k 2 question thi ek yad h mje bs wo tha unary aur binary operator btayen in m se %, &&, &.

3 number k b 2 sawal thi

aur 5 number k b 2

5 number ka ek yad diagram thi us me se btana tha k class member hen

banking ki diagram thi

salam to all ones;

whole of the mcq were nice and easy;

4 mcq were from moiz file given above ...

the 2 number questions were about definitions

3 number questions codes understand and discuss

5 number question 1 codes of class given and was said to modify according to their requirements.

5 number question 2 was to write a code for operator overloading according to that scenario.

Hints:

conceptual tha yarooo. chalo thanks bolo bye

mcqz 4m past pprz

1) can we overload default constructor? justify ur answer

2) post increment code ma (*) operator overload karen

3) %, &, &&, sizeof ma binary n unary operator sprate karen

4) DFD given of BANK system tha abstract class ka pocha tha and whole DFD ko textual form ma likhna tha

5) output of given code

code is of static data members.

My Paper was too Easy to Understand. Basically Conceptual...

Mcq's were from Past paper 90 %.

1. 2 number question is Define Binary & Unary Operators from the following.
sizeof,&&,&&,%

Size of, && Binary Operators.

Where as % and & in unary Operation.

2.The second 2 mark question is define statement of Constant function. in other words just write how to initialize constant function.?

3. overloading example for complex numbers.3 marks

4. write code for assignment Operator. 3 marks

5. Code given find the error on it. & explain of finding about the error.?

6. How we solve the following problem in overloading of assignment operator in string class,(explain with the help of c++ code)

If referencing

signing a string value to more than one strings in a single line like, stringobject1=

stringobject2=stringobject3=stringobject4. 5 marks

My today paper of cs304 is so easy...

MCQs from past papers some are new but so easy...

02 and 03 marks k questions me detect code error , output of the given code, and aik question ye tha can friend function minimize encapsulation. whats your opinion????

05 marks me aik question conversion se relvent tha. and aik question me aik uni ka sanario given tha jis ki help se composition and simple assciation ka code develop krna tha jese couse class ko define kren etc and its simple association and composition

kindly keep remember me in prayers...

Thank you! wish you all the best....

My today's paper :

Objectives were easy and straight-forward.

Q1 Consider the following code segment:

```
Crs1-Crs2-Crs3;
```

Where - operator is overloaded, and Crs1, Crs2, Crs3 are objects of "Course" class. When compiling the above statement, the compiler automatically covert the above statement in an appropriate function calls.

Q2 Write any two advantage(s) of declaring a member function as const?

Q3 Consider the following code segment:

```
class Course{
private:
char * bufferPtr;
int size;
public:
Course();
Course(char * ptr);
void SetCourse(char c, int pos);
};
```

Implement the SetCourse method, such that it changes a single character at nth location of string pointed by bufferPtr pointer.

Q4 Consider the class given below what will be the values in variables x,y and z after creating object of this class,

```
class ABC{
```

```

    int x;
    int y;
    int z;
public:
    ABC();
};
ABC::ABC():x(10),z(y),y(x)
{
    ...
}

```

Q 5 Consider the following code segment:

```

class String
{
int size;
char * bufferPtr;
public:
char & operator[](int);
};

```

Write C++ code to overload subscript [] operator for String class.

Today paper is 10.30 am

Find out the error(s) in the below code segment. Also describe the reasons of each error, and provide the correct code.

```

class Employee {
int id;
public:
Employee(int _id){
id=_id;
}
};
int main(){
Employee E[2];
}

```

Consider the following Complex class,

```

class Complex{
private:
double real, img;
public:
...
};

```

We want to overload subtraction (-) operator for our Complex class such that we can subtract any double value from our Complex class object using statements given below,

```

Complex c1;
Complex c2 = 1.546 - c1;
Complex c3 = c1 - 2.456;

```

You have to give the C++ code of overloaded subtraction (-) operator to perform these kinds of operations.

When an object of a derived class is declared, it has an anonymous object of its base class







