

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Create two base classes Learning\_Info( Roll\_No, Stud\_Name, Class, Percentage) and Earning\_Info(No\_of\_hours\_worked, Charges\_per\_hour). Derive a class Earn\_Learn\_info from above two classes. Write necessary member functions to accept and display Student information. Calculate total money earned by the student. (Use constructor in derived class) (20)

2) Create a class Person that contains data members as Person\_Name, City, Mob\_No. Write a C++ program to perform following functions:

- i. To accept and display Person information
- ii. To search the mobile number of a given person
- iii. To search the Person details of a given mobile number

(Use Function Overloading) (20)

3)Write HTML code to display (20)

### Student Registration form

Name of Student:	<input style="width: 100%;" type="text"/>
Mobile No.	<input style="width: 100%;" type="text"/>
Address Line:	<input style="width: 100%;" type="text"/>
City:	<input style="width: 100%;" type="text"/>
State	<input style="width: 100%;" type="text"/>
Pincode	<input style="width: 100%;" type="text"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

4) 4)Write a JavaScript program to Display Time on the web page and greet the user accordingly (20)

15) Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to find area and volume of cylinder using Inline function.

Area  $2\pi r^2 + h(2\pi r)$       volume  $\pi r^2 h$  (20)

2) Write a C++ program to create a class Worker with data members as Worker\_Name, No\_of\_Hours\_worked, Pay\_Rate. Write necessary member functions to calculate and display the salary of worker. (Use default value for Pay\_Rate) (20)

3.) Write HTML and CSS code to design a web page displaying the following using frameset. (20)

<b>IT Industries in INDIA</b>	
<b>Countries</b> <b>India</b> <b>Australia</b> <b>Japan</b>	<b>India</b> Mumbai Bangalore Delhi

4) Write a Java script program to display multiplication table of given number (20)

5) Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to accept length and width of a rectangle. Calculate and display perimeter as well as area of a rectangle by using Inline function.

Perimeter  $2*(len+b)$  (20)

2) Write a class sales (Salesman\_Name, Product\_name, Sales\_Quantity, Target). Each salesman deals with a separate product and is assigned a target for a month. At the end of the month his monthly sales is compared with target and commission is calculated as follows:

- If Sales\_Quantity > target then commission is 25% of extra sales made + 10% of target
- If Sales\_Quantity ==target then commission is 10% of target.
- Otherwise commission is zero

Display the salesman information along with commission obtained. (Use array of objects) (20)

3) Write a HTML5 program to design student registration form and perform following validation: (20)

- Check all fields should not contain a null value
- Check name field contains only alphabets
- Mobile No. field should be of 10 digits.s
- Pin code field should be of 06 digits.

### Student Registration form

Name of Student:	<input style="width: 70%;" type="text"/>
Mobile No.	<input style="width: 70%;" type="text"/>
Address Line:	<input style="width: 70%;" type="text"/>
City:	<input style="width: 70%;" type="text"/>
State	<input style="width: 70%;" type="text"/>
Pincode	<input style="width: 70%;" type="text"/>
<input style="width: 50px; height: 20px; border: 1px solid #ccc;" type="button" value="Submit"/> <input style="width: 50px; height: 20px; border: 1px solid #ccc;" type="button" value="Reset"/>	

4) Write a Java script program to check whether the given no. is palindorme or not (20)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

5) Journal (10)

6) Viva (10)

1) Write a C++ program to calculate area of cone, sphere and circle by using function overloading.

**Cone**  $\pi * r * (r + len)$     **sphere**  $4 * \pi * r * r$   
**circle**  $\pi * r * r$  (20)

2) Write a C++ program to create two classes Class1 and Class2. Each class contains one float data member. Write following functions:

- i. To accept float numbers
- ii. To display float numbers in right justified format with precision of two digits

To Exchange the private values of both these classes by using Friend function. (20)

3)

Write HTML and CSS code to design a web page displaying the following table using frameset. (20)

IT Industries in INDIA	
<b>City</b>	<b>Pune</b>
1. <u>Pune</u>	• Infosys
2. <u>Bangalore</u>	• TCS
3. <u>Hyderabad</u>	• Tech-Mahindra
4. <u>Delhi</u>	• Persistent

4) Display cube of a given number using Java Script Write HTML program to accept the number

(20)

5) Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

- 1) Write a C++ program to calculate maximum of two integer numbers of two different classes using friend function. (20)
- 2) Create a C++ class Sumdata to perform following functions:  
 int sum( int, int) – returns the addition of two integer arguments.  
 float sum(float, float, float) – returns the addition of three float arguments.  
 int sum( int [ ] ,int) – returns the sum of all elements in an array of size 'n'. (20)
- 3) Form Validation using HTML 5 Write HTML program to accept the Rollno ,name ,age, gender,hobbies
- 4) Display table of a given number using Java Script Write HTML program to accept the number
- 5) Journal (10)
- 6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

- 1) Write a C++ program using class which contains two data members of type integer. Create and initialize the object using default constructor and parameterized constructor with default value. Write a member function to display maximum from given two numbers for all objects. (20)
- 2) Write a C++ program to create a class which contains two data members. Write member functions to accept display and swap two entered numbers using call by reference. (20)
- 3) Write HTML and CSS code to design a web page displaying list of hyperlinks. Divide the browser screen into two frames. The first frame will display the heading. Divide the second frame into two columns. The frame on the left will be a menu consisting of hyperlinks. Clicking on 'Pune' hyperlink it will display related information on the right hand side on the same page.

<b>IT Industries in INDIA</b>	
<b>City</b>	<b>Pune</b>
<u>Pune</u>	Infosys
<u>Banglore</u>	TCS
<u>Hydrabad</u>	Tech-Mahindra
<u>Delhi</u>	Persistent

- 4) Write a program to convert the string upper case in to lower case.
- 5) Journal (10)
- 6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**


[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to create a class Book which contains data members as B\_Id, B\_Name, B\_Author, B\_Publication. Write member functions to accept and display Book information also display Count of books. (Use Static data member to maintain Count of books) (20)

2). Write a C++ program to create a class Part which contains data members as Part\_Id, Part\_Name, Part\_Price. Create and Initialize all values of Part object by using parameterized constructor and copy constructor. Display the values of Part object. (Part\_price should be right justified with a precision of two digits) (20)

3)Use Inline Internal & External CSS, Image

 Logo of a company	<b>Tourism in India</b>	
NORTH SOUTH EAST WEST	Places to visit It will change as per link on left side	Display Picture and Highlights of place selected

4) Write a java script program to change background color of the screen according to the day of the date

(20)

5) Journal

(10)

6) Viva

(10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
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**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to create a class which contains two dimensional integer array of size mXn. Write a member function to display sum of all elements of entered matrix. (Use Dynamic Constructor for allocating memory and Destructor to free memory of an object) (20)

2) Create a class ComplexNumber containing members as:

- real
- imaginary

Write a C++ program to calculate and display the sum of two complex numbers. (Use friend function and return by object) (20)

3) Write a HTML Program to display (20)

**AirIndia**

Booking Information			
From :	<input style="width: 90%;" type="text"/>		
To :	<input style="width: 90%;" type="text"/>		
	<input style="width: 90%;" type="text"/>		
Departure Date :	<input style="width: 90%;" type="text"/>		
Returning Date :	<input style="width: 90%;" type="text"/>		
Adults	Children	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">Economy Executive First</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">▽</div> </div>	
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">1 to 9</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">▽</div> </div>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">0 to 9</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">▽</div> </div>		
<div style="border: 1px solid black; padding: 5px 20px; display: inline-block;">Book Now</div>			

4) Write a PHP program to display addition of two nos (20)

5) Journal (10)

6) Viva (10)



<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

- 1) Write the definition for a class called 'point' that has x & y as integer data members. Use copy constructor to copy one object to another. (Use Default and parameterized constructor to initialize the appropriate objects) Write a C++ program to illustrate the use of above class. (20)
- 2) Create a class for inventory of Mobile containing Model\_Number, Company\_Name, Price, Stock as data members. Mobile can be sold, if stock is available, otherwise purchase will be made. Write a C++ program to perform following functions :
  - i. To accept and display mobile details
  - ii. To sale a Mobile (Sale contains Model\_Number & Quantity of mobile)
  - iii. To Purchase a Mobile (Purchase contains Model\_Number & Quantity of mobile) (20)
- 3) Write a JavaScript Program to accept user name and password from a user if user is valid then display his score card on the next page as shown below.

**Dr. D. Y. Patil Vidya Pratishthan Society's**

**User Login**

User Name:

Password:

**Dr. D. Y. Patil Vidya Pratishthan Society's**

Name of the student: Prashant Deshmukh    Seat No.3099

Sr.No	subject	External Exam(Out of 80)	Internal(out of 20)	Total Marks(out of 100)	Result
501	core Java	56	15	71	pass
502	Web Technology	67	18	85	pass
503	.NET	70	19	89	pass
504	Object Oriented Software Engineering	52	15	67	pass
505	project	-	-	79	pass
506	Practical	-	-	83	pass

Exam Dates :Oct-2014

20

- 4) Write a JavaScript program to Display Time on the web page and greet the user accordingly (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
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**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to create a class which contains single dimensional integer array of given size. Write a member function to display even and odd numbers from a given array. (Use Dynamic Constructor to allocate and Destructor to free memory of an object) (20)

2) Write a C++ program to create a class Integer. Write necessary member functions to overload the operator unary pre and post increment '++' for an integer number. (20)

3) Write HTML Program to display the following table

**BMCC PUNE**

SPORTS		NCC		NSS	
Boys	Girls	Boys	Girls	Boys	Girls
302	400	303	304	204	200

4) Write a PHP program to read employee details and generate pay slip which will calculate netsalary of an employee. (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

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**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

- 1) Create a class MyString which contains a character pointer (Use new and delete operator). Write a C++ program to overload following operators:

! To change the case of each alphabet from given string.

[ ] To print a character present at specified index. (20)

- 2) Imagine a ticket Selling booth at a fair. People passing by are requested to purchase a ticket. A ticket is priced as Rs. 5/- . The ticketbooth keeps the track of the number of people that have visited the booth and of the total amount of cash collected.

Create a class ticketbooth that contains No\_of\_people\_visited, Total\_Amount\_collected. Write C++ program to perform following functions:

- i. To assign initial values.
- ii. To increment the No\_of\_people\_visited if visitors have just visited the booth.
- iii. To increment the No\_of\_people\_visited and Total\_amount\_collected if tickets have been purchased.
- iv. To display both totals (20)

- 3) Write a JavaScript program to read employee details and generate pay slip which will calculate netsalary of an employee

**Payslip**

Name of Employee:

Department

Designation:

Basic Salary

HRA

DA

- 4) Write a PHP script to set selected image from Combo Box (Dropdown List) to the background of Page.

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

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**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Create a base class Account (Acc\_Holder\_Name, Acc\_Holder\_Contact\_No). Derive a two classes as Saving\_Account(S\_Acc\_No., Balance) and Current\_Account(C\_Acc\_No., Balance) from Account. Write a C++ menu driven program to perform following functions :

- i. Accept the details for 'n' account holders.
- ii. Display the details of 'n' account holders by adding interest amount where interest rate for Saving account is 5% of balance and interest rate for Current account is 1.5% of balance. (20)

2) Create a class Matrix and Write a C++ program with following functions:

- i. To accept a Matrix
- ii. To display a Matrix
- iii. Overload unary minus '-' operator to calculate transpose of a Matrix (20)

3) Write HTML5 program to validate following data using (attributes placeholder, required, range)

Name:

Age:

Mobile No.:

Email:

(20)

4) Write a PHP script to set selected image from ComboBox (DropDownList) to the background of Page. (20)

5) Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Create a base class Student(Roll\_No, Name) which derives two classes Academic\_Marks(Mark1, Mark2, Mark3) and Extra\_Activities\_Marks(Marks). Class Result(Total\_Marks, Grade) inherits both Academic\_Marks and Extra\_Activities\_Marks classes. (Use Virtual Base Class)

Write a C++ menu driven program to perform the following functions:

- i. Build a master table
- ii. Calculate Total\_marks and grade. (20)

2) Create a class Time which contains data members as: Hours, Minutes and Seconds. Write C++ program to perform following necessary member functions:

- i. To read time
- ii. To display time in format like: hh:mm:ss
- iii. To add two different times (Use Objects as argument) (20)

3) Write a HTML5 Program to display details of student roll no, name, age, phone number on new page when user enters login id and password successfully.

4) Display the multiplication table of a given number using php. (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Create a Vector class to represent a series of integer values. Allocate memory for Vector object using new operator. Write a C++ menu driven program with following member functions:

- i. To accept a vector
- ii. To display a vector in the form (10,20,30,...)
- iii. To multiply by a scalar value
- iv To modify the value of a given position from vector. (20)

2) Write a C++ program to find maximum of two integer numbers and two float numbers by using function template.

(20)

3.) Create the following table using HTML:

Quick	brown fox	jumps
over the	lazy	dog and
	then	it fall
	prey to a lion	

(20)

4) Write a PHP script to change Background color of the browser using switch statement according to day of the week. (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to create a class Department which contains data members as Dept\_Id, Dept\_Name, H.O.D., Number\_Of\_staff. Write necessary member functions to

- i) Accept details from user for 'n' departments and write it in a file "Dept.txt".
- ii) Display details of department from a file.
- iii) Count the number of objects stored in a file. (20)

2) Write a C++ program to swap two integer values and two float values by using function template. (20)

3) Design a HTML form to accept a String. Write a PHP function to count the total number of vowels (a,e,i,o,u) from the string. (20)

4) Write a HTML program and add image, audio & video on webpage (20)

5) \Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
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**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

- 1) Write a C++ program to create a class Person which contains data members as P\_Name, P\_City, P\_Contact\_Number. Write member functions to accept and display five Persons information. Design User defined Manipulator to print P\_Contact\_Number. (For Contact Number set right justification, maximum width to 10 and fill remaining spaces with '\*') (20)
- 2) Write a C++ program to read the contents of a text file. Count and display number of characters, words and lines from a file. (20)
- 3) Create a webpage using inline, internal and external CSS. The webpage should contain background color, images, links and use different font sizes.
- 4) Write a PHP program to print Fibonacci series without using recursion. (20)
- 5) \Journal (10)
- 6) Viva (10)



<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
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[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to read the contents of a "Sample.txt" file. Store all the uppercase characters in "Upper.txt", lowercase characters in "Lower.txt" and digits in "Digit.txt" files. Change the case of each character from "Sample.txt" and store it in "Convert.txt" file. (20)

2) Write a C++ program to create a class Employee which contains data members as Emp\_Id, Emp\_Name, Basic\_Salary, HRA, DA, Gross\_Salary. Write member functions to accept Employee information. Calculate and display Gross salary of an employee. (DA=12% of Basic salary and HRA = 30% of Basic salary) (Use appropriate manipulators to display employee information in given format :- Emp\_Id and Emp\_Name should be left justified and Basic\_Salary, HRA, DA, Gross salary Right justified with a precision of two digits. (20)

3) Display the following table using HTML:

Invoice #123456789		14 January 2025	
<b>Pay to:</b> Acme Billing Co. 123 Main St. Cityville, NA 12345		<b>Customer:</b> John Smith 321 Willow Way Southeast Northwesternshire, MA 54321	
Name / Description	Qty.	@	Cost
Paperclips	1000	0.01	10.00
Staples (box)	100	1.00	100.00
<b>Subtotal</b>		110.00	
<b>Grand Total</b>		\$ 110.00	

4) Write a PHP program to store emp No.,Name salary in emp array and display it on screen using associative array.

5) Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
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**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program which will accept 'n' integers from user through command line argument. Store Prime numbers in file "Prime.txt" and remaining numbers in "Others.txt". (20)

2) Create a base class Conversion. Derive three different classes Weight (Gram, Kilogram), Volume(Milliliter, Liter), Currency(Rupees, Paise) from Conversion class. Write a C++ program to perform read, convert and display operations. (Use Pure virtual function) (20)

3) Write a PHP script to change Background color of the browser using switch statement according to day of the week. (20)

4) Design a HTML form to accept a String. Write a PHP function to count the total number of vowels (a,e,i,o,u) from the string. (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
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[Time : 3 Hrs]

[Marks : 100]

1) Write a C++ program to accept 'n' numbers from user through Command Line Argument. Store all positive and negative numbers in two different arrays. Display contents both arrays. (20)

2) Define a class Product that contains data member as Prod\_no, Prod\_Name, Prod\_Price. Derive a class Discount(discount\_in\_Percentage) from class Product. A Customer buys 'n' products. Accept quantity for each product , calculate Total Discount and accordingly generate Bill. Display the bill using appropriate Manipulators. (20)

3) Write HTML and CSS code to design a web page displaying the following table using frameset.

<b>IT Industries in INDIA</b>	
<b>City</b>	<b>Pune</b>
5. <u>Pune</u>	• Infosys
6. <u>Bangalore</u>	• TCS
7. <u>Hyderabad</u>	• Tech-Mahindra
8. <u>Delhi</u>	• Persistent

4) Display cube of a given number using Java Script Write HTML program to accept the number (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

**Deccan Education Society's**  
**Brihan Maharashtra College of Commerce(AUTONOMOUS)**  
**SYBBA(CA)( Sem-III) Practical Examination**  
**Lab Course SEM III(C++ ,Web Technology 1 )**

[Time : 3 Hrs]

[Marks : 100]

1) Create a Base class Train containing protected data members as Train\_no, Train\_Name. Derive a class Route (Route\_id, Source, Destination) from Train class. Also derive a class Reservation(Number\_Of\_Seats, Train\_Class, Fare, Travel\_Date) from Route. Write a C++ program to perform following necessary functions :

- i. Enter details of 'n' reservations
- ii. Display details of all reservations
- iii. Display reservation details of a specified Train class. (20)

2) Write a C++ program to read two float numbers. Perform arithmetic binary operations like +, -, \*, / on these numbers using Inline Function. Display resultant value with a precision of two digits. (20)

3) Write HTML code

**F.Y. B.C.A. Exam Time Table**

Date	Time	Subject Code	Subject Name
12/10/2015	10:30 am – 1:30pm	101	PPA
13/10/2015	10:30 am – 1:30pm	102	MOE
14/10/2015	10:30 am – 1:30pm	103	BC
15/10/2015	10:30 am – 1:30pm	104	PM
16/10/2015	10:30 am – 1:30pm	105	FA

4) Display table of a given number using Java Script Write HTML program to accept the number (20)

5)\Journal (10)

6) Viva (10)

<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>Total</b>

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[Time : 3 Hrs]

[Marks : 100]