7.	(A)	State the rules for Virtual Functions.	6
	(B)	Explain the file I/O functions write () and rea Give program example.	d ().
		orve program example.	U
8.	(A)	What is XML element? Explain with example. Is state the naming rules for them.	Also 6
	(B) ·	Create XML document to show the information three films such as Filmname, Director, Languard Category.	
		OR	
9.	(A)	Explain the design goals and features of XML	. 6
	(B)	What is CSS with XML? Explain.	6
10.	(A)	What is DTD? Describe the internal DTD example.	with 6
	(B)	What is an attribute? Explain the various type attributes.	s of
		OR	
11.	(A)	Explain various element content models.	6
	(B)	Explain the entities along with their types.	6
12.	(A)	State the differences between XML Schema DTD.	and 6
	(B)	Explain the XML Schema Data Types. OR	6
13.	(A)	Explain the various element types and attribute	25.
٠	· ,	, , , , , , , , , , , , , , , , , , ,	6
	(B)	Explain the terms default and prefix name sp	_
		Give example.	6
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4S: COMPUTER SCIENCE/COMPUTER APPL./ INFORMATION TECHNOLOGY										
(Advanced C++ & Web Designing)										
Time—Three Ho	urs] [Maximum Marks—80									
Note : (All questions are compulsory.									
(2	 Question No. 1 carries 8 marks and all other questions carry 12 marks each. 									
(3	Assume suitable data wherever necessary.									
1. (A) Fill in	the blanks and rewrite the following: 2									
(i) <u>f</u>	keyword is used to define the operator motion.									
(ii) <u>i</u>	members of a class do not participate the inheritance process.									
(iii) P	CDATA stands for									
	SS stands for									
(B) Select follow	the correct alternative and rewrite the ng:									
	he process of creating a specific class from a ass template is called as									
) Initialisation									
) Declaration									
(6) Instantiation									
•	l) None of the above									
UBS48887	1 (Contd.)									

B.Sc. Part - II (Semester - IV) Examination

	(ii)	Which of the following operators can not be over loaded?	2.	(A)	Explain the concept of "this" pointer with appropriate program example.
· .		(a) Insertion (<<)	:	(B)	What is Operator Overloading? Write a program
		(b) New Operator			to overload unary minus () operator. 6
		(c) Modular Division (%) Operator	1.		OR
		(d) Scope Resolution Operator (::)	3.	(A)	Explain Array of pointers to objects with program example.
	(iii)	The attribute used to define a new namespace is		(B)	Write a program to overload the lessor equal to (< =) operator to compare two strings.
		(a) XMLNS		•	
		(b) XmlNameSpace	4.	(A)	What is inheritance? Explain Single Inheritance with
		(c) Xmlns			appropriate program example. 6
		(d) XmlNs		(B)	What is a Class Template? Explain with appropriate program example.
,	(iv)	XML schema defines			OR
		(a) Elements	5.	(A)	Explain Hybrid Inheritance with appropriate program
	•	(b) Attributes		(4.5)	example. 6
		(c) Data types		(B)	Explain overloading of template functions. Give program
		(d) All of the above			example. 6
(C)	Ans	swer the following in one sentence: 4			
	(i)	What is a Function Template?	6.	(A)	What is a Virtual Function? Explain with program example.
	(ii)	What is a two Dimensional Array?	,	(B)	
	(iii)	What is a well formed XML document?		(15)	program example. 6
•	(iv)	What is XML namespace?			
-,					OR
UBS-488	87	2 (Contd.)	1112	Q109	97 3 (Contd.)