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AW-1722

B.Sc. (Part-II) Semester-IV Examination COMPUTER SCIENCE/COMPUTER APPLICATION/INFORMATION TECHNOLOGY (Old)

(Advanced C++ and Web Designing)								
Time : Three Hours] [Maximum Marks : 8								
N.B. :- (1) 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. Fill in the blanks:						
1.	(A)							
		(i) provides the concept of reusability.						
		(ii) An array name followed by two subscripts is called						
		(iii) DTD stands for						
		(iv) Namespace is declared with prefix is called as namespace. 2						
	(B)	Choose correct alternative :						
		(i) A pointer a variable that holds	of another variable.					
		(a) Value	+ (b)	Memory address				
		(c) Data type	(d)	None of these				
		(ii) Template provides :						
		(a) Reusability of code	(b)	Eliminates redundant coding				
		(c) Support generic programming	(d)	All are correct				
	(iii) If element does not contain any content then such element is called a/an							
		(a) Root element	(b)	Empty element				
		(c) Nested element	(d)	Sibling element				
	(iv) defines a class of xml documents.							
		(a) XML Schema	(b)	Namespace				
		(c) DTD	(d)	CSS	2			
	(C) Answer in one sentence each :							
		(i) What is derived class?						
		(ii) What is pointer ?						
		(iii) What is element ?						
		(iv) What is CSS ?			4			
2.	(A)	What is array? Explain declaration and initialization of one dimensional array.			6			
	(B) What is operator overloading? Explain with suitable example.				6			
OR								
3.	(A)	(A) Explain pointer to object with suitable example.						
	(B) Write a program in C++ to overload assignment (=) operator.				6			
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		tance with suitable example.	6				
4.	(A) Explain multiple inner	tance with suitable example. late? Explain with suitable example	. 6				
	(B) What is function temp	OR					
			6				
5.	(A) What is class template		6				
		ance with suitable example.	6				
6.	(A) Explain pointers to de						
	(B) Explain opening and	closing of file with syntax and exan	iple. 6				
OR							
7.	(A) Explain hierarchy of	file stream classes.	6				
	(B) What is virtual functi	on ? Explain with suitable example	6				
8.	(A) Explain the basic stru	cture of XML document.	6				
	(B) Explain the term XMI	element with example. State the name	ing rules for XML element.				
			6				
OR							
9.	(A) Explain documen: pro	olog and document instance.	6				
	(B) State and explain the	features of XML.	6				
10	. (A) What is meant by DT	D? Describe the internal DTD with	example. 6				
	(B) What is entity ? Expl	ain with suitable example.	6				
OR							
11	. (A) Explain element conto	ent model with suitable example.	6				
	(B) What is the need of I	OTD ? Describe the external DTD v	vith suitable example. 6				
12	. (A) Explain various featur	res of XML Schema.	6				
	(B) Explain default and p	refix declaration of namespace.	6				
OR							
13	. (A) Compare XML Schen	na with DTD by giving suitable exa	mple. 6				
	(B) What are the various	XML Schema data types ?	6				