

Topics / lectures are arranged in sequence - same - as to be taught in the class. Maintain data related to "Date" in its hard copy.

S. No.	Lecture No	Topic Description	Teaching Pedagogy	Reference Material	Remarks, if any
1	1	UNIT-I Object Oriented Programming Concepts	Board	T1	
2	2	Procedural Language and Object Oriented approach,	Board	T1	
3	3	Characteristics of OOP	PPT	T1	
4	4	user defined types, polymorphism and encapsulation	Board	T1	
5	5	Getting started with C++: syntax, data types, variables	Board	T1	
6	6	string, function, namespace and exception,	Board	T1	
7	7	operators, flow control	Board	T1	
8	8	recursion	Board	T1	
9	9	Pointers	Board	T1	
10	10	Arrays,	Board	T1	
11	11	structure.	Board	T1	
12	12	Revision	Board + PPT	T1	
13	13	Class Test			
14	14	UNIT-II Abstracting Mechanism: classes, private and public	Board + PPT	T1	
15	15	Constructor	Board + PPT	T1	
16	16	member function,	Board	T1	
17	17	Destructor,	Board + PPT	T1	
18	18	static data members,	Board	T1	
19	19	static members, references;	Board	T1	
20	20	Memory Management: new, delete,	Board	T1	
21	21	object copying	Board + PPT	T1	
22	22	friend function	Board	T1	
23	23	Copy constructor,	Board	T1	
24	24	assignment operator, this input/output	Board	T1	
25	25	Quiz, Class Test			
26	26	Revision,	Board	T1	
27	27	UNIT-III Inheritance and Polymorphism: Derived Class and Base Class	Board + PPT	T1	
28	28	Different types of Inheritance	Board	T1	
29	29	Different types of Inheritance	Board	T1	
30	30	Different types of Inheritance	Board	T1	
31	31	Different types of Inheritance	Board	T1	
32	32	Overriding member function,	Board	T1	
33	33	Public and Private Inheritance	Board	T1	
34	34	Ambiguity in Multiple inheritance,	Board + PPT	T1	
35	35	Virtual function,	Board	T1	
36	36	Quiz, Class Test	Board	T1	
37	37	Template and Standard Template Library: Template classes,	Board	T1	
38	38	declaration, template functions,	Board	T1	
39	39	namespace, string, iterators,	Board	T1	
40	40	hashes, streams, other types.	Board + PPT	T1	
41	41	Quiz, Class Test			
42	42	Unit IV Exception and File Handling Exception and derived class	Board	T1	
43	43	, function exception declaration,	Board	T1	
44	44	unexpected exception,	Board	T1	
45	45	exception when handling an exception,	Board	T1	
46	46	resource capture, and release.	Board	T1	
47	47	Streams and File handling: I/O streams.,	Board	T1	
48	48	fos.open, fos.close,	Board	T1	
49	49	I/O stream libraries	Board	T1	
50	50	Revision	Board	T1	
51	51	PYQ	Board + PPT		
52	52	PYQ	Board + PPT		

S. No.	Description
1	Object oriented programming using C++, E Balagurusami
2	Bjarne Stroustrup, The C++ programming language, Pearsons education
3	Robert Lafore, Object oriented programming using C++,