

UNIT-I

S.No	Questions	BT	CO	
Part–A(Short Answer Questions)				
1	What is casting?	L1	1	
2	What are the advantages of casting?	L1	1	
3	State the steps involved in casting process.	L2	1	
4	List out the casting processes.	L2	1	
5	What is a cope box in casting?	L1	1	
6	What is a drag box in casting?	L1	1	
7	What are the materials used for patterns?	L1	1	
8	What factors control the selection of pattern material?	L2	1	
9	What are pattern allowances?	L1	2	
10	List the types of patterns used in casting.	L2	2	
Part–B(Long Answer Questions)				
11	a) Explain the casting process in detail with a neat sketch.	L1	1	
	b) Explain the cold chamber die casting with a neat figure.	L2	3	
12	a) What are the advantages of casting process? Explain.	L1	2	
	b) Explain the centrifugal casting process with a sketch.	L2	3	
13	a) Explain the different types of patterns used in casting process?	L1	2	
	b) Explain the cooling curve of an alloy.	L2	2	
14	a) What are the different types of allowances used in a pattern?	L1	3	
	b) Explain the hot chamber die casting with a neat sketch.	L1	3	
15	a) Explain the working principle of a cupola furnace.	L2	3	
	b) Explain the casting defects with neat figures.	L2	2	
16	a) What is die casting? Explain with a neat figure.	L1	1	
	b) Explain the shell moulding process with a neat figure.	L2	1	