



	OR		
16	a) Explain Young's double slit experiment. [5M] b) Difference between diffraction and interference. [5M]	3	L2
17	Describe the Fraunhofer diffraction pattern due to circular aperture. [10M]	4	L2
	OR		
18	With the help of neat labelled diagram, demonstrate Laue method. [10M]	4	L2
19	a) Explain the construction and working of a He – Ne gas laser. [5M] b) Write the properties of laser. [5M]	5	L2
	OR		
20	a) Distinguish between light propagation in step index optical fiber and graded Index optical fiber. [5M] b) Write the applications of optical fiber. [5M]	5	L2