VIII Wydalankar Institute of Technology		IA-(2016-17)
Date: 23/02/2017	Test No: 1	Branch: All
	Subject: Applied Physics II	Marks: 15
Date: 23/02/2017 Semester: II Q. 1) Attempt any five (02 Marks each) a) In diffraction, Intensity of maxima is i)Constant ii) Zero b) In Interference, Intensity of minima i) Constant ii) Zero c) What is the minimum thickness of a light, if the light incident on the film i) 282 nm ii) 70.5 r d) In Fresnel's class of diffraction, the i) Obstacle-screen distance is sm ii) The diffracted wave front is con iii) No convex lens is used to focus iv) All of the above e) For total internal reflection angle of i) Greater than critical angle ii) Equal to critical angle iii) Zero iv) None of above f) in Newton's ring experiment, width i) Remains constant ii) Increases	Subject: Applied Physics II Significant in the second center in the sec	Marks: 15 10 Marks None of the above e interference in reflected ex for the film is n = 1.33. 37 nm een
between plan and curved surface. The curvature is 1m. Find the refractive in	ie diameter of 7th bright fringe is t	5 Marks
	OR	1
b) What do you mean by diffraction	and explain its types.	5 Marks

"Assessed papers will be distributed to the students within a week from the date of exam."