Q.P.Code 201013		Reg. No.:	
Second Year B.Sc Optometry Degree Examinations - October 2014			
Tir	Optomet me : 3 hrs	ric Optics Max	marks : 80
	<ul><li>Answer all questions</li><li>Draw diagram wherever</li></ul>	necessary	
1. 2. <b>Sh</b> 3.	Derive the formula to find sphero-cylindri with neat diagrams and description.  Describe photochromic glass lenses. Mentilenses and glass lenses. List the factors resort notes  Mention any five differences between soft a What is Frensel prism. List out advantages	on the difference between photoc sponsible for photochromic lens p and hard progressive addition lens	chromic plastic erformance. (5x5=25)
5.	A lens is said to have a power of -4.25 horizontal meridian. Write out its prescription		
	Compound 4□BU and 5□BO into a single regraphical solution□ Mathematical calculated Different types of bifocal lenses.	•	ght eye by:□
Ar	nswer briefly	(	(10x2 = 20)
9. 10 11 12 13 14 15 16	What is image jump. Find the jump exert segment diameter.  Define prism diopter and mention its unit.  Mention two differences between soft and had to what is bad metal and strain in defects in mage. Define rotary prism and mention its applicant. Name any two differences between indiverses of manufacturing ophthalmic lenses. Why lenses are manufactured in minus cylin. What is blocking and truing in the process of the whole when the wealth of the process of the whole who were the process of the whole who was a sum of the process of the whole who were the process of the whole who was a sum of the process of the whole who was a sum of the process of the whole who was a sum of the process of the whole who was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the process of the whole was a sum of the whole was a	nard designs of progressive additionaterial of the lens. Ition in optometric practice. Iridual batch process and the costs. Inder forms. Inder forms of grinding ophthalmic lenses. Ist method to reduce them.	on lenses. ontinuous flow
Or	ne word answer		(5x1 = 5)
19 20	.The equation used to calculate reflectance .When lightning strikes a bed of dry sand, isFrames that are suitable for use as safety on themThe central portion of the lens in which t lenticular lens.	the natural glass formed due to to glasses must have	fusing of sandcode written

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22. The transposed form of the prescription +1.00DS/-5.00DC \* 20 degrees is ------