Q.P.Code 203013	Reg. No.:
Second Year B.Sc Optometry Degree Se	upplementary Examinations - April 2013
Visual	Optics
Time: 3 hrs	Max marks : 80
Answer all questionsDraw diagram whereverEssays	necessary (2x15=30)
1. Define myopia. What are the types of my	opia and describe the myopic correction wit
spectacle lens.	
2. Define retinoscopy and describe the optics of	of the stages of retinoscopy.
Short notes	(5x5=25)
Optics of prism and application of prisms in a contract of prisms in a co	ophthalmology.
4. Pinhole	
5. Jacksons cross cylinder	
6. Anisometropia	
7. AC/A ratio	
Answer briefly	(10x2 = 20)
8. Fogging	
9. Principle of Bausch and Lomb keratometer	
10.With the rule astigmatism	
11. Fresnel prism	
12. Near point of accomodation	
13. The cross cylinder form of a prescription is	s as follows. +3.0 D cyl x 90 and +1.5 D cyl
180. Convert the prescription to minus and p	plus sphero cylindrical form.
14. Calculate the amplitude of accommodation	required to see an object at 10 cm for +4.0
hyperopia.	
15. Depth of focus	
16.Angle kappa	
17. Dynamic retinoscopy	
One word answer	(5x1 = 5)
18.Corneal curvature is measured using	
19.The Scheiner principle is used in	
20. The angle between the optical axis and t	he visual axis is called
21. Cycloplegic effect of homatropine lasts for	days.
22. The far point of a non accommodated hyper	rmetropic eye is locatedthe
retina.	
