Q.P.Code 302013 Reg. No.:	
Dispensing Optics, Mechanical Optics, Contact Lens and Low Vision Aids Time: 3 hrs  • Answer all questions • Draw diagram wherever necessary	
Essays (2x20=40)	
	Explain the optical and non-optical aids used in low vision care. Compare Galilean and Keplarian telescopes. (15 +5=20)
2.	Describe the care and maintenance of soft contact lenses in detail. Add a note on various contact lens options available for keratoconus patients. (12+8=20)
Sh	ort notes (5x5=25)
3.	Convergence and accommodation with contact lenses
4.	Explain the power, axis, and centration aspect of lens quality.
5.	Explain the following lens defects: • Veins • Bubbles • Waves
6.	Distance and near vision assessment in low vision patients
7.	Polycarbonate lenses
Answer briefly (10x3=30)	
8.	Non-invasive assessment of tear layer
9.	Contrast sensitivity assessment in low vision patients
10	.Geneva lens measure
11	. Edging of lenses for rimless frames
12	. Facial measurements in children for spectacle lenses
13	.RGP static fit assessment
14	. Different techniques of inspecting a spectacle lens surface.
15	.Low vision management for retinitis pigmentosa
16	. Edging of lenses for metal frames
17	. Classification of contact lens materials
One word answer $(5x1=5)$	
18	cranial nerve is responsible for corneal innervations
19	.FDA Group I classification for soft contact lenses involves
20	. Amsler's chart covering an area of
21	is the lenticular astigmatism in an eye with subjective refraction -3.00/-4.00 $\times$ 90 $^\circ$ and Keratometry readings 44.00/47.00@180 $^\circ$
22	. Mucin balls are most commonly seen in contact lenses
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