

# PART I

## Applied Basic Science (ABS)

350 items \*  
2 sessions

		ANATOMY (Gross, Neuroanatomy, Histology, Developmental)	BIOCHEMISTRY / PHYSIOLOGY	IMMUNOLOGY / MICROBIOLOGY / PATHOLOGY	OPTICS (Geometrical, Physical, Ophthalmic, Physiological)	PHARMACOLOGY
		12% - 18% 42 - 62 items	10% - 14% 35 - 49 items	22% - 30% 77 - 105 items	31% - 35% 108 - 122 items	11% - 17% 40 - 60 items
<b>REFRACTIVE STATUS / SENSORY PROCESSES / OCULOMOTOR PROCESSES</b>		122 items				
<b>Ametropia</b>	29 - 39 items				✓	
<b>Ophthalmic Optics / Spectacles</b>	17 - 25 items				✓	
<b>Contact Lenses</b>	8 - 14 items				✓	✓
<b>Low Vision</b>	5 - 9 items				✓	
<b>Accommodation / Vergence / Oculomotor Function</b>	10 - 18 items				✓	✓
<b>Amblyopia / Strabismus</b>	9 - 17 items				✓	
<b>Perceptual Function / Color Vision</b>	10 - 18 items				✓	
<b>Visual and Human Development</b>	6 - 10 items				✓	
<b>NORMAL HEALTH / DISEASE / TRAUMA</b>		228 items				
<b>Lids / Lashes / Lacrimal System / Ocular Adnexa / Orbit</b>	20 - 28 items	✓	✓	✓		✓
<b>Conjunctiva / Cornea / Refractive Surgery</b>	34 - 50 items	✓	✓	✓		✓
<b>Lens / Cataract / IOL / Pre- and Post-Operative Care</b>	7 - 13 items	✓	✓	✓		✓
<b>Episclera / Sclera / Anterior Uvea</b>	16 - 24 items	✓	✓	✓		✓
<b>Retina / Choroid / Vitreous</b>	17 - 25 items	✓	✓	✓		✓
<b>Optic Nerve / Neuro-Ophthalmic Pathways</b>	14 - 22 items	✓	✓	✓		✓
<b>Glaucoma</b>	13 - 21 items	✓	✓	✓		✓
<b>Emergencies / Trauma</b>	8 - 14 items	✓	✓	✓		✓
<b>Systemic Health</b>	55 - 75 items	✓	✓	✓		✓

\* Note that the Part I ABS exam will contain a total of 370 items: 350 items will be scored and 20 items are designated as pre-test items.