

# PRIOR LEARNING ASSESSMENT IN OPTOMETRY

## TABLE OF SPECIFICATIONS

<b>OPTOMETRIC KNOWLEDGE</b>	<b>Range of # of Items*</b>
<b>A. Human Biology</b>	<b>9 Items</b>
1. Gross Anatomy	0 - 1
2. Histology	0 - 1
3. Neuroscience	1 - 2
4. General Biochemistry	1 - 2
5. General Physiology	2 - 3
9. General Pathology	2 - 3
<b>B. Ocular/Visual Biology</b>	<b>19 Items</b>
1. Anatomy of the Eye, Ocular Adnexa and Visual Pathway	7 - 9
2. Ocular and Visual Pathway Development	1 - 2
3. Ocular Physiology and Neurophysiology	7 - 9
5. Ocular Motility	3 - 4
<b>C. Systemic Conditions</b>	<b>7 Items</b>
1. General Health	0 - 1
2. Neurological System	0 - 1
3. Musculoskeletal System	0 - 1
4. Skin and Hair	0 - 1
5. Head and Neck	0 - 1
6. Hematopoietic System	0 - 1
7. Immunologic System	0 - 1
8. Cardiovascular System	0 - 1
9. Renal and Urogenital System	0 - 1
10. Gastrointestinal System	0 - 1
11. Liver and Biliary Tract	0 - 1
12. Endocrine/Metabolic System	0 - 1
13. Reproductive System	0 - 1
14. Respiratory System	0 - 1
15. Nutrition	0 - 1
16. Psychosocial Illness	0 - 1
17. Infectious Diseases	0 - 1
18. Congenital/Hereditary Conditions	0 - 1
<b>D. Ocular Disease/Trauma</b> (i. <i>Epidemiology, history, symptomology, evaluation, pathophysiology, diagnosis, and consideration of related systemic diseases of</i> ):	<b>18 Items</b>
1. Ocular Adnexa	1 - 2
2. Lacrimal System	0 - 1
3. Conjunctiva	1 - 3
4. Cornea	1 - 3
5. Sclera/Episclera	0 - 1
6. Anterior Uvea (Iris and Ciliary Body)	1 - 2
7. Pupillary, Accommodative and Refractive Pathology	0 - 1
8. Orbit	0 - 1
9. Anterior Chamber, Angle Structure and Abnormal IOP	1 - 2
10. Lens, Aphakia, Pseudophakia	0 - 1
11. Posterior Pole	1 - 2
12. Peripheral Fundus, Vitreous	0 - 1
13. Optic Nerve Pathology	1 - 2
14. Sensory Neurovisual Pathology	1 - 2
15. Oculomotor Neuropathology	1 - 2

\*The Number of Items indicates the actual number for each of the eight major subject areas of the Optometric Knowledge component and a range for each content area within each subject area. The range specifies the minimum and maximum number of items in each content area that will be administered on the assessment.

<b>OPTOMETRIC KNOWLEDGE</b>		<b>Range of # of Items</b>
<b>E. Radiation, Light &amp; Optics</b>		<b>22 Items</b>
1. Radiometry		0 – 1
2. Photometry		0 - 1
3. Geometrical Optics		3 - 4
4. Physical Optics		1 - 2
5. Ophthalmic Optics		5 - 6
6. Spectacle applications		5 - 7
7. Contact lens applications		3 - 5
8. Low vision applications		2 - 4
<b>F. Vision</b>		<b>37 Items</b>
<b>1. Visual Optics</b>		<b>14 - 21</b>
i. Schematic eye models		0 - 1
ii. Dioptrics of the eye		1 - 2
iii. Quality of the retinal image		1 - 2
iv. Refractive states of the eye		6 - 8
v. Radiation and the eye		0 - 1
vi. Aphakia and pseudophakia		1 - 3
vii. Aniseikonia		1 - 2
viii. Refractive management		2 - 3
<b>2. Oculomotor Aspects of Vision</b>		<b>5 - 8</b>
i. Accommodation		2 - 3
ii. Anomalies of eye movements		1 - 2
iii. Accommodative vergence and its anomalies		1 - 2
<b>3. Visual Sensation</b>		<b>5 - 9</b>
i. Light sensation		0 - 1
ii. Colour sensation		0 - 1
iii. Low vision		1 - 2
iv. Entoptic phenomena		2 - 4
v. Sensory anomalies of binocular vision		0 - 1
<b>4. Visual Perception</b>		<b>5 - 8</b>
i. Space perception		1 - 2
ii. Form perception		1 - 2
iii. Motion perception		1 - 2
iv. Temporal perception		1 - 2
<b>G. Human and Visual Development and Aging</b>		<b>9 Items</b>
1. Human Development		4 - 5
2. Aging		3 - 5
3. Psychophysical methodology		0 - 1
<b>H. Public Health and Safety</b>		<b>4 Items</b>
1. Epidemiology and Biostatistics		0 - 1
2. Environmental Vision		0 - 1
3. Health Care Policy and Administration		2 - 3
4. Infection Control		0 - 1
<b>Total Optometric Knowledge Items</b>		<b>125 Items</b>

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<b>OCULAR THERAPEUTICS</b>	<b>Range of # of Items<sup>†</sup></b>
A.6. General Microbiology	1 – 2
A.7. General Immunology	1 – 2
A.8. General Pharmacology	4 – 6
B.4. Ocular Pharmacology	7 – 9
D. Ocular Disease/Trauma ( <i>ii. Treatment, Management &amp; Prognosis of</i> ):	
1. Ocular Adnexa	1 - 3
2. Lacrimal System	1 - 2
3. Conjunctiva	2 - 3
4. Cornea	3 - 4
5. Sclera/Episclera	0 - 1
6. Anterior Uvea (Iris and Ciliary Body)	2 - 3
7. Pupillary, Accommodative and Refractive Pathology	0 - 1
8. Orbit	0 - 1
9. Anterior Chamber, Angle Structure and Abnormal IOP	1 - 2
10. Lens, Aphakia, Pseudophakia	0 - 1
11. Posterior Pole	1 - 2
12. Peripheral Fundus, Vitreous	1 - 2
13. Optic Nerve Pathology	1 - 2
14. Sensory Neurovisual Pathology	0 - 1
15. Oculomotor Neuropathy	1 - 2
<b>Total Ocular Therapeutics Items</b>	<b>40 Items</b>

<b>CLINICAL JUDGEMENT COMPONENT</b>	<b>Range of # of Items<sup>‡</sup></b>
<b>Refractive Conditions</b> of the eye and vision system and their treatment and management.	20 – 28
<b>Accommodative Conditions</b> of the eye and vision system and their treatment and management	4 – 12
<b>Oculomotor Conditions</b> of the eye and vision system and their management	12 – 20
<b>Sensory - Integrative Conditions</b> of the eye and vision system and their treatment and management	8 – 16
<b>Ocular Disease and Trauma</b> and its treatment and management	20 – 28
<b>Systemic Disease</b> and its treatment and management	12 – 20
<b>Total Clinical Judgement Items</b>	<b>100 Items</b>

<sup>†</sup> The “Range of # of Items” specifies the minimum and maximum number of items in each content area within the Ocular Therapeutics component that will be administered on the assessment.

<sup>‡</sup> The “Range of # of Items” specifies the minimum and maximum number of items in each content area within the Clinical Judgement component that will be administered on the assessment.

