

INDICATOR OF CURRENT LEARNING IN OPTOMETRY

TABLE OF SPECIFICATIONS

OPTOMETRIC KNOWLEDGE	Range of # of Items*
A. Human Biology	9 Items
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. Ocular/Visual Biology	19 Items
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
C. Systemic Conditions	7 Items
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
D. Ocular Disease/Trauma (i. Epidemiology, history, symptomology, evaluation, pathophysiology, diagnosis, and consideration of related systemic diseases of):	18 Items
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.

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

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OCULAR THERAPEUTICS	Range of # of Items[†]
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 & 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
Total Ocular Therapeutics Items	40 Items
CLINICAL JUDGEMENT COMPONENT	Range of # of Items[‡]
Refractive Conditions of the eye and vision system and their treatment and management.	20 – 28
Accommodative Conditions of the eye and vision system and their treatment and management	4 – 12
Oculomotor Conditions of the eye and vision system and their management	12 – 20
Sensory - Integrative Conditions of the eye and vision system and their treatment and management	8 – 16
Ocular Disease and Trauma and its treatment and management	20 – 28
Systemic Disease and its treatment and management	12 – 20
Total Clinical Judgement Items	100 Items

[†] 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.

[‡] 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.