02. ප්‍රකාශයක්:

වර්ගාකරණය අනුව, II එක්සත් "q" සමාන / II එක්සත් ආරක්ෂාවක් ප්‍රකාශ කිරීම 3

03. පෙළමුවිනා:

වර්ගාකරණය අනුව, "q" එක්සත් 10 දකුණු 385 ප්‍රශ්නපතික මාදිහි ප්‍රශ්න සමානයක්ද (කුළු) මේ 2015.03.10 යනු නැති මෙය පේක්ෂණ කිරීම. ප්‍රශ්නපතික ප්‍රශ්න සමානයේ අතර, "q" එක්සත් වූ බව "q" සමානයේ ප්‍රශ්නපතික මාදිහි ප්‍රශ්න සමානයක් ඔKal.
I. 

II. 

III. 

(a) 

(b) 

(c) 

(d) 

IV. 

V. 

VI. 

VII. 

VIII. 

IX. 

X. 

XI. 

XII. 

XIII. 

XIV. 

XV. 

XVI.
7.1 Optometry

Law that govern reflection & refraction
- Type of lenses
- Draw and label prism
- Meaning of the snellen fraction
- Modifications of 6 meter chart for other distances
- Relate snellen fraction to visual tasks
- Theory of Retinoscopy

Use of the streak retinoscope
- The optical cross
- Custom in Prescription writing
- Prentios's rule: Lens prism relationship
- Diopter – Focusing Prism
- Nature of light: distance diopter
- Distance and vergence change, concept, lens thick, lens back vertices
distance
- Eye as an optical instrument
- The different kind of refractive error

- Clinical signs and symptoms of:
  - Myopia
  - Hyperopia
  - Astigmatism
- Relate these conditions to age
- Describe the psychological reaction of the visual system to these
- Draw and label the interval of strum
- Subjective refraction
  - 5 Steps
- Prescribing for visual defects
- Case examples
• Management of the low vision patient
• The 2 causes of visual problem in anisometropia and rule of thumb in dealing with it
• Describe: meridinal magnification
  meridinal anisometropia
• Calculate induced prism as result of anisometropia and suggest solution.
• Rule of thumb for lens induced prism as result of
  a. 2 Vertical
  b. 3 Base in
  c. 4 Base out
• Aphakia:
  - Discuss importance of BVD
  - Expected refractive error and cylinder
  - Subjective problems the patient will encounter
  - Discuss minimization of the problems
  - Describe how BVD can be used to help with reading in single vision in Anhakiaspecs

07.1.2 Visual Field
• Confrontation
• Lister Perimeter
• Tangent Screen
• Definition of: Characteristics Field Detector
• Glucoma
• Papillities
• Nutrition amblyopia
• Retinitis Pigmentosa
• Pituitary pressure on the optic chianma
• Posterior Neurological defect

07.1.3 Pharmacology
• Know the drugs commonly used in ophthalmic diagnosis, their action, dosage, duration, precautions
• Know the drugs commonly used in Glaucoms, action dosage precautions.
• Compare the sympathetic and parasympathetic nervous system as to the actions of the organ they simulate.
• Name the chemical transmitters in these systems and how their action is stopped.
• Know the ocular side effects of these commonly used systemic drugs.
07.1.4

- Extra ocular muscle actions
- Testing ocular movements
- The cover test
  - Cover, uncover test in manifest squints
- Types of convergence 1, 2, 3
- Classification of ET and XT
- Cover test latent squint
- Latent squint exophoria
- Management of phorias
- How to perform tests used to investigate squints
- Bagalini striated lenses
- Worth lights
- Stereo tests
- Major amblyoscope
- Grades of binocular vision
- How to check the visual acuity in small children and infants
- Tests used to measure squints
  - Good vision in both eyes
  - Poor vision in one eye
- Types of amblyopia
- Treatment of types of amblyopia
- Investigation of content ET with: NRC
  - ARA
  - Suppression
- Relate intermittent squints to ACA ratio
- Management of Intermittent squint
  - (a) Convergence excess ET
  - (b) Fully accommodative ET
- Sherrington’s law
- Herring’s law
- Paralytic sequence
- Testing ocular movement in paralytic squints
  - Cover test
  - BSV
  - Hess
07.02 මහාවාරත්කය සරල මූලාංගය

තෝරු අරියන් මහාවාරත්කය කටයුතු කළ නවජ උදිකාරී ලෙස නම්පති පිළිතුරු කළේ. එය මෙම අරියන් මහාවාරත්කයේදී නිර්මාණය කළ 100 පිරිස් පටයක් වේ. මෙමින් මහාවාරත්කය මෙමින් හාමු මහාවාරත්කයේදී නිර්මාණය කළේ 40ක් පටයක් වේ.

තෝරු අරියන් (සංකීර්ණ 026)

මෙම කොටස් මහාවාරත්කයේදී නාලික කරන්නේ (04) පිරිස් පටයක් සිදු

තෝරු අරියන් කොටස් අඩුවෙන් පුද්ගල

XV - මහාවාරත්කය, මෙම අරියන් මහාවාරත්කයේදී පට පිරිස් පට

XVI - මහාවාරත්කය

XXIII - මෙම අරියන් මහාවාරත්කයේදී පට පිරිස් පට මහාවාරත්කයේදී නිර්මාණය කළේ පට

XXIV - මහාවාරත්කය

XXV - මහාවාරත්කය මෙහෙවින් නිර්මාණය කළේ

XXVII - මහාකරු මාතාපාල සම්ප්‍රදායකින් නිර්ශ්‍රාංජන.

XXVIII - මහාකරු මාතාපාල සම්ප්‍රදායකින්

XXX - මහාකරු මාතාපාල සම්ප්‍රදායකින්

XXXIII - මහාකරු මාතාපාල සම්ප්‍රදායකින්

XLVII - මහාකරු මාතාපාල සම්ප්‍රදායකින්

XLVIII - මහාකරු මාතාපාල සම්ප්‍රදායකින්

මහාවාරත්කයේදී මහාකරු මාතාපාල සම්ප්‍රදායකින් නිර්ශ්‍රාංජන කළේ පට

පිරිස් පටයක්

මෙම අරියන් මෙමින් මහාවාරත්කයේදී නිර්ශ්‍රාංජන කළේ 40ක් පටයක් සිදු
විශේෂ අදහස් හා අංක සහ සම්ඟ

XIII ම උපකාසයක් - කිරීමේ ආදායම සහ අංකම / කිරීමේ ස්වහාවක් බදුල්ලක්. අංකයන් විකාශයේ දිවෙන්න, මාර්ගය. මාර්ගයේ කාන්තයේ අංකය ලැබේ.
(පැරිත්ව ບෝක්කව 708, මුශ්ක 775 අංකය)

08 මායිමේ එන් ඉදිරිපත් ලැබී හැකි හැකි "නියෝජනය/විශේෂ අංකයක්/මාර්ගයක් දැකිපීමේ මෙහෙයට පහත අංකයක් අනුව අංක විකාශයේ II "විශේෂය / II අංකයේ ප්‍රධානතාවයන් පෙරමුණු කිරීම. සොයා ගනිමා www.health.gov.lk මෙන් පිළිතුරු ද පැහැදිලි උදා.

විශේෂ අදහස් හා අංකවල උපකාසය තුලට (උපකාස II)
කිරීමේ ආදායම සහ අංකය පෙරමුණු උදා.

ශ. පිටිකා, අංකයක්ෂ්වන්නේ:
(රැජීය "ස්වරුරව"
උපකාස "II")

| 01 | (q) | (i) | ලකුණුවන් කිහි (ක්ෂාංගය දැක්වෙන්නේ) කොටස් (ැක්කොටස්) | ............................................ |
| (q) | (ii) | ලකුණුවන් කිහි (ක්ෂාංගය දැක්වෙන්නේ) කොටස් (ැක්කොටස්) | ............................................ |
|    | (iii) | ලකුණුවන් කිහි (ක්ෂාංගය) | ............................................ |
|    | (iv) | ලකුණුවන් කිහි (ක්ෂාංගය) | ............................................ |

| (q) | I. | ලකුණුවන්ගේ, ක්ෂාංගයේ විකල්පයේ ඇති ක්ෂාංගයන්වල  කේතය කිහි - ........................................ |
|     | II | ලකුණුවන්ගේ විකල්පයේ, ක්ෂාංගයේ විකල්පයන් කේතය කිහි - ........................................ |
|     | III. | ලකුණුවන් කේතයේ සහ ක්ෂාංගයන්ගේ විකල්පයේ විකාශය කිහි - ........................................ |
|     | IV. | II "වන" ක්ෂාංගය / III ලකුණුවන් කේතය තුල ලකුණුවන් සහ ක්ෂාංගයන්ගේ විකල්පයන්  කේතයන්ගේ සදහා අවසන් විකාශය කිහි / කේතය කිහි කිහි - ........................................ |
|     | V. | II "වන" ක්ෂාංගය / II ලකුණුවන් කේතය තුල ලකුණුවන් සහ ක්ෂාංගයන්ගේ විකල්පයන් විකාශය විශේෂය - ........................................ |
|     | VI. | ලකුණුවන් ආරුළ කේතය කිහි - ........................................ |
|     | VII. | තෝරා කේතය කිහි: | ........................................ |

| 02 | (q) | ලකුණුවන් කේතයේ මීනරයන් විකල්පයන්ගේ මීනරය විකල්පයන් කේතය කිහි ඇති කේතය කේතයමගින් මීනරයේ කැටය කිහි නේමින් කේතය කේතයමගින් මීනරයේ කැටය කිහි | ........................................ |
|     |     | කේතයමගින් මීනරයේ කැටය කිහි | ........................................ |
|     |     | කේතයම කැටය කිහි | ........................................ |
|     |     | කේතයම කැටය කිහි | ........................................ |
|     |     | කේතයම කැටය කිහි | ........................................ |

| 03 | (q) | ලකුණුවන් කේතය මීනරයන් විකල්පයන්ගේ මීනරය කේතය කේතයමගින් මීනරයේ කැටය කිහි මීනරයේ කැටය කිහි (ැක්කොටස්) | ........................................ |

| (q) | (i) | ලකුණුවන් කේතය කේතයම කැටය කිසියම් කැටය කිසුම් කේතයන්ගේ කෞතරිය නිපදනක් අදයිබරුන්ගේ මිටි සහ 9"X 4" අවස්ථාවක් එකම 35.00 සෙන්නම් දැක්වෙන්නේ මිටි සහ පුරා විකල්පයන්ගේ කේතය කේතයම යටතේ පියෝරුවන්? | ........................................ |
| (q) | (ii) | ලකුණුවන් කේතය කේතයම කැටය කාර්ය කාර්යක් කාර්යක් කාර්ය කාර්යක් කාර්යක් කාර්යක් කාර්යක් කාර්යක් | ........................................ |

| 04 | ලකුණුවන් කේතය කේතය කේතය කේතය කේතය (කාර්ය / කාර්ය / කාර්ය) | ........................................ |
(q)  එක්ලිකක් නිකාසින ලබා ගනීමේ?

(9)  නිකාසි විසඳීමට නිකාසි ලක්වෙන් ලබා ගනීමේ?

දින්නේ අදහා,

(05) එක් විසින් ලබා ගනීමේ?

(06) එකින් විසින් ලබා ගනීමේ?

(07) එකින් විසින් ලබා ගනීමේ?

(08) එකින් විසින් ලබා ගනීමේ?

(09) එකින් විසින් ලබා ගනීමේ?

(10) එකින් විසින් ලබා ගනීමේ?

(11) එකින් විසින් ලබා ගනීමේ?

(12) එකින් විසින් ලබා ගනීමේ?
02. கைவல்லன் -

- கல் வழிபாட்டியாளர்கள் கலையான II "ஏ" பட்டியல் / பதிவு II புருஷர், ஐரிசுவலியலில் குடிப்பிட்டுக்களால் குறுக்கிற்குடர ஒரு இணையத்தில் பார்வை உணர்த்தப்படும்.
- கலையான II "ஏ" பட்டியல் வழிபாட்டியாளர்கள் திறன் போர்லடியல் குறுக்கிற்குடர ஒரு இணையத்தில் பார்வை உணர்த்தப்படும் பதிவு கலையான II "ஏ" பட்டியல் வழிபாட்டியாளர்களிடையே குறுக்கிற்குடர ஒரு இணையத்தில் பார்வை உணர்த்தப்படும்.
07.1.1 Optometry

Law that govern reflection & refraction

- Type of lenses
- Draw and label prism
- Meaning of the snellen fraction

- Modifications of 6 meter chart for other distances
- Relate snellen fraction to visual tasks
- Theory of Retinoscopy

Use of the streak retinoscope

- The optical cross
- Custom in Prescription writing
- Prentios's rule: Lens prism relationship
- Diopter – Focusing Prism
- Nature of light: distance diopter
- Distance and vergence change, concept, lens thick, lens back vertex distance
- Eye as an optical instrument
- The different kind of refractive error

- Clinical signs and symptoms of:
  - Myopia
  - Hyperopia
  - Astigmatism

- Relate these conditions to age
- Describe the psychological reaction of the visual system to these
- Draw and label the interval of strum
- Subjective refraction
  - 5 Steps
- Prescribing for visual defects
- Case examples
- Management of the low vision patient
- The 2 causes of visual problem in anisometropia and rule of thumb in dealing with it
- Describe: meridinal magnification
  - meridinal anisometropia

- Calculate induced prism as result of anisometropia and suggest solution.
- Rule of thumb for lens induced prism as result of
  a. 2 Vertical
  b. 3 Base in
  c. 4 Base out
- Aphakia:
  - Discuss importance of BVD
  - Expected refractive error and cylinder
  - Subjective problems the patient will encounter
  - Discuss minimization of the problems
  - Describe how BVD can be used to help with reading in single vision in
    Aphakia specs
07.1.2 Visual Field
- Confrontation
- Lister Perimeter
- Tangent Screen
- Definition of: Characteristics Field Detector
- Glucoma
- Papillities
- Nutrition amblyopia
- Retinitis Pigmentosa
- Pituitary pressure on the optic chianma
- Posterior Neurological defect

07.1.3 Pharmacology
- Know the drugs commonly used in ophthalmic diagnosis, their action, dosage, duration, precautions.
- Know the drugs commonly used in Glaucoms, action dosage precautions.
- Compare the sympathetic and parasympathetic nervous system as to the actions of the organ they simulate.
- Name the chemical transmitters in these systems and how their action is stopped.
- Know the ocular side effects of these commonly used systemic drugs.

07.1.4
- Extra ocular muscle actions
- Testing ocular movements
  - The cover test
    - Cover, uncover test in manifest squints
- Types of convergence 1, 2, 3
- Classification of ET and XT
- Cover test latent squint
- Latent squint exophoria
- Management of phorias
- How to perform tests used to investigate squints
- Bagalini striated lenses
- Worth lights
- Stereo tests
- Major amblyoscope
- Grades of binocular vision
- How to check the visual acuity in small children and infants
- Tests used to measure squints
  - Good vision in both eyes
  - Poor vision in one eye
- Types of amblyopia
- Treatment of types of amblyopia
- Investigation of content ET with: NRC, ARA, Suppression
- Relate intermittent squints to ACA ratio
- Management of Intermittent squint
  (a) Convergence excess ET
  (b) Fully accommodative ET
- Sherrington's law
- Herring's law
- Paralytic sequence
- Testing ocular movement in paralytic squints
  Cover test
  BSV
  Hess

7.2.1 Management of Intermittent squint

7.2.2 Paralytic sequence

07.2 Testing ocular movement in paralytic squints

7.2.1 Management of Intermittent squint

7.2.2 Paralytic sequence

07.2.1 Convergence excess ET

7.2.2 Fully accommodative ET
முன்னேற்றப்பாடுகள் (02 மாதமுறைப்பாடுகள்)

முன்னேற்றப்பாடுகள். சுருக்கமாகத் பதிவிடும் வகையில் விளக்கத்தக்கதை வரும் தொடர் விளக்கங்கள், முன்னேற்றப்பாடுகள் அல்லது முன்னேற்றப்பாடுகளின் விளக்கத்தக்கதை தரும் வகையில்.

அல்லது VI - பெருமானுடைய பொருள்கள் / பொருள்களின் (Custody) வடிவமாக காண வரும் பொருள் முன்னேற்றப்பாடுகள் / பொருள்களின் வடிவமாக / பொருள், வாருகாலம் அல்லது கதவு (Board of Survey) விளக்கமுறை, வரும் வகையில்

(முன்னேற்றப்பாடுகள் 315 - 316)

அல்லது XIII - வெளியேற்றப்பாடுகள் வாய்ந்தவற்றின் வடிவமாக வெளியேற்றப்பாடுகள் வாய்ந்தவற்றின் வடிவமாக வெளியேற்றப்பாடுகள் வாய்ந்தவற்றின் வடிவமாக வெளியேற்றப்பாடுகள் வாய்ந்தது.

08. வெளியேற்றப்பாடுகள் வாய்ந்தவற்றின் வடிவமாக வெளியேற்றப்பாடுகள் / வெளியேற்றப்பாடுகள் / வெளியேற்றப்பாடுகள் வாய்ந்த வகையில் வெளியேற்றப்பாடுகள் வாய்ந்த வகையில் வெளியேற்றப்பாடுகள்

செயல்பாடு பதிவுகள்

முன்னேற்றப்பாடுகள் விளக்கமுறை (முன்னேற்றம்) 11

காத்திருந்து விளக்கமுறை முன்னேற்றப்பாடு

M. B. L. Rahuman
Deputy Director C.eral (Admin) II
Ministry of Health,
"Suwasiripaya",
Colombo 10.
01. (a) (i) வேதியியல்பொழுதுபோற்றாகத் தலைமுறை (பயன் வலைக்கட்டளை பன்முகத்து முதல் முறையிடுதல் / விளக்கம் எழுதுதல்):

(ii) வேதியியல்பொழுதுபோற்றாகத் தலைமுறை (பயன் வலைக்கட்டளை பன்முகத்து முதல் முறையிடுதல் / விளக்கம் எழுதுதல்):

(iii) வேதியியல் வலைக்கட்டளை அறிவியல் போற்றாகத் தலைமுறை (சிற்றுநோக்கு) / விளக்கம்:

(iv) வேதியியல் வலைக்கட்டளை அறிவியல் போற்றாகத் தலைமுறை (சிற்றுநோக்கு) / விளக்கம்:

(b) (i) கணிக்கும் மற்றும் முற்போற்றாகத் தலைமுறை எந்த எண்ணிக்கை விளக்கம் எழுதுதல் :

(ii) கணிக்கும் மற்றும் முற்போற்றாகத் தலைமுறை (எண்மை எழுதுதல்):

(iii) கணிக்கும் மற்றும் முற்போற்றாகத் தலைமுறை (வேதியியல் எழுதுதல்/சிற்றுநோக்கு):

(iv) II "ஏ" பி / கோடி III பொழுது வலைக்கட்டளைப் பரிசை, வலைக்கட்டளைப் பரிசை வலைக்கட்டளைப் பரிசை எழுதுதல் / விளக்கம் எழுதுதல்:

(v) II "ஏ" / கோடி II கோடி முற்போற்றாகத் தலைமுறை (சுருக்கப்பட்டு):

(vi) குறிப்பிட்டு வேதியியல் எழுதுதல்:

(vii) கணிக்கும் மற்றும் முற்போற்றாகத் தலைமுறை (சிற்றுநோக்கு) எழுதுதல்:

02. வலைக்கட்டளை துறையால் அல்லது மற்றும் வலைக்கட்டளைப் பொழுது (V) எழுதுதல். வலைக்கட்டளைப் பொழுதுபோற்றாகத் தலைமுறை (X) எழுதுதல் மற்றும் எழுதுதல் என்பது?

முடிய எழுதுதல்:

பிரபைன் பொழுது:

வர்க்கட்டைப் பொழுது:

03. (a) குறிப்பிட்டு வேதியியல் எழுதுதல்:

(சிற்றுநோக்கு)

(சிற்றுநோக்கு)

(b) குறிப்பிட்டு வேதியியல் எழுதுதல்:

(c) பன்முக எழுதுதல் 9"x4" என்று தரும். 35 முறையிடுநர் என்று விளக்கம் எழுதுதல் எடுத்துக்கொள்ள வேண்டாமா? 30 முறையிடுநர் என்று விளக்கம் எழுதுதல் எடுத்துக்கொள்ள வேண்டாமா?

(d) (i) குறிப்பிட்டு வேதியியல் (சிற்றுநோக்கு):

(ii) குறிப்பிட்டு வேதியியல் (சிற்றுநோக்கு) எழுதுதல்:

04. பொழுதுபோற்றாகத் தலைமுறை (சிற்றுநோக்கு / விளக்க / எழுதுதல்):
05. (i) நிறுவிய உள்ளூர் பிரபஞ்சத்தில் கால்கள் மற்றும் நாள்கள் காணப்படுகின்றனார்?

(ii) உள்ளூர் பிரபஞ்சத்தில் கால்கள் மற்றும் நாள்கள் காணப்படுகின்றனார்?

06. நேரலாற்றுக்குரியது என்ன குறுந்து செய்யலாம்

(i) நேரலாற்றுக்குரியது செய்யலாம்

(ii) ஒரு விளக்குறைவு செய்யலாம்

07. நேரலாற்று இரண்டும் காட்டி தளபதிக்கு எண்ணற்று என்ன பெற்று காட்டி

08. காணலாம் காணலாம்

09. மெலர்பார்க்கும் செயல்கள் / செயல்கள் மெலர்பார்க்கும் செயல்கள்

(டிபுப்பு பெற்று சின்று பென்னணி)
My No: CF/EXS/01/2015
Ministry Of Health & Indigenous Medicine
"Swasiripaya"
No: 385,
Baddegama Vimalawansa Mw.
Colombo 10
QO 02.2015.

All Provincial Directors and
Deputy Directors of Health Services,
Heads of Decentralized Units,
Directors of Teaching Hospital,
And Relevant Heads of Institutions,

Departmental Examination and Efficiency Bar Examination for
Ophthalmic Technologists Grade II / Class II segment “A” – 2014

It is hereby notified that the above Departmental Examination and Efficiency Bar Examination for Ophthalmic Technologists Grade II / Class II segment “A” which has to be passed within four years from their Grade II / Class II seg “A” appointment will be held as follows in Sinhala, English and Tamil media. The venue and the time of the examination will be notified along with the admission card.

Efficiency Bar Examination : 2015.03.28
Departmental Examination : 2015.03.29

02. Officers appointed to the Grade II / Class II seg “A” and who have passed the relevant Efficiency Bar Examination in the Grade III / Class II seg “B” and completed the specified period of service and not received the letter of appointment to the Grade II / Class II seg “A” due to delay on the part of the office can apply for this examination.

03. Applications
Applications prepared by the candidates as per specimen appended to this letter should be sent under Registered cover to reach the Director (Examinations) "Swasiripaya" No.385, Ven. Baddegama Wimalawansa Thero Mawatha, Colombo 10, on or before 2015.03.10 through their Heads of Institutions. The Head of Division should certify the accuracy of contents in each application. Two self addressed envelope (Candidates can write their official or private address) in the size of 9” x 4” inches, affixed with stamps to the value of Rs. 35.00 should be sent along with the application. Applications which are received late, incomplete or inaccurate will be rejected.

The application should be prepared using an A4 paper based on the specimen form of application so as to accommodate from 01. to 04 on the first page and from 05 to 08 on the second page. Applications which do not conform to above will be rejected without any information.

04. Examination fees:-
   i. Candidates who sit the examination for the first time need not pay examination fees. However in every subsequent sitting they should affix stamps to the value of Rs. 25/= per subject in the stamps cage provided for in the application and cancel same by placing their signature and the date.
   ii. The fees once paid will not be refunded or transferred to other examinations under any circumstances.
05. Admission to the Examination:-
   I Candidates whose applications have been accepted will be issued with Admission Cards.
   They should duly complete and submit same to the Supervisor at the Examination centre. Otherwise they will not be allowed to sit the examination.
   II Candidates should prove their identity to the Supervisor at the examination hall. For this purpose one of the following documents will be accepted.
      (a) National Identity Card
      (b) Departmental Identity Card
      (c) Driving License
      (d) Passport — A Valid Passport

06. Scheme of the Examination:-
This examination consists of two parts, namely: Departmental Examination and Efficiency Bar Examination. The Departmental Examination shall have three parts viz: Written, Viva Voce and Practical test and the Efficiency Bar Examination shall have two parts namely Office Administration & Establishment Code and Financial Regulations. Marks 100 have been assigned for each part and candidates should score minimum of 40 marks for each part to have a pass in the examination. They can complete the examination in one sitting or in several.

07. Syllabus

07.01 Departmental Examination

Subject Related

Written examination (question paper on subject field) 02 hours duration, This part consists of 08 question, out of which 04 question should be answered. - 100 Marks.

07.01.1 Optometry
Law that govern reflection & refraction
- Type of lenses
- Draw and label prism
- Meaning of the snellen fraction
- Modifications of 6 meter chart for other distances
- Relate snellen fraction to visual tasks
- Theory of Retinoscopy

Use of the streak retinoscope
- The optical cross
- Custom in Prescription writing
- Prentios's rule: Lens prism relationship
- Diopter — Focusing Prism
- Nature of light: distance diopter
- Distance and vergence change, concept, lens thick, lens back vertex distancece
• Eye as an optical instrument
• The different kind of refractive error
• Clinical signs and symptoms of:
  - Myopia
  - Hyperopia
  - Astigmatism
• Relate these conditions to age
• Describe the psychological reaction of the visual system to these
• Draw and label the interval of strum
• Subjective refraction
  5 Steps
• Prescribing for visual defects
• Case examples
• Management of the low vision patient
• The 2 causes of visual problem in anisometropia and rule of thumb in dealing with it
• Describe: meridional magnification
  - meridional anisometropia
• Calculate induced prism as result of anisometropia and suggest solution.
• Rule of thumb for lens induced prism as result of
  a. 2 Vertical
  b. 3 Base in
  c. 4 Base out
• Aphakia:
  - Discuss importance of BVD
  - Expected refractive error and cylinder
  - Subjective problems the patient will encounter
  - Discuss minimization of the problems
  - Describe how BVD can be used to help with reading in single vision in Anhakiaspecs

07.1.2 Visual Field
• Confrontation
• Lister Perimeter
• Tangent Screen
• Definition of: Characteristics Field Detector
• Glucoma
• Papillities
• Nutrition amblyopia
• Retinitis Pigmentosa
• Pituitary pressure on the optic chianma
• Posterior Neurological defect

07.1.3 Pharmacology
• Know the drugs commonly used in ophthalmic diagnosis, their action, dosage, duration, precautions
• Know the drugs commonly used in Glaucoms, action dosage precautions.
• Compare the sympathetic and parasympathetic nervous system as to the actions of the organ they simulate.
- Name the chemical transmitters in these systems and how their action is stopped.
- Know the ocular side effects of these commonly used systemic drugs.

**07.1.4**
- Extra ocular muscle actions
- Testing ocular movements
- The cover test
  - Cover, uncover test in manifest squints
- Types of convergence 1, 2, 3
- Classification of ET and XT
- Cover test latent squint
- Latent squint exophoria
- Management of phorias
- How to perform tests used to investigate squints
- Bagalini striated lenses
- Worth lights
- Stereo tests
- Major amblyoscope
- Grades of binocular vision
- How to check the visual acuity in small children and infants
- Tests used to measure squints
  - Good vision in both eyes
  - Poor vision in one eye
- Types of amblyopia
- Treatment of types of amblyopia
- Investigation of content ET with: NRC
  - ARA
  - Suppression
- Relate intermittent squints to ACA ratio
- Management of Intermittent squint
  - (a) Convergence excess ET
  - (b) Fully accommodative ET
- Sherrington's law
- Herring's law
- Paralytic sequence
- Testing ocular movement in paralytic squints
  - Cover test
  - BSV
  - Hess

**Practical / Viva voce:** - Question will be on subjects in the syllabus above. 100 Marks each.

**Practical**
- Practical Test will be conducted on subjects referred to under 7.1 above.

**Viva voce**
- Viva Voce will be held on subject referred to under 7.1 above.
07.02 **Efficiency Bar Examination**

There will be Two Questions Papers as Establishments Code & Financial Regulations. Each paper will receive 100 Marks. They can complete the Examination in one or several sittings. Candidate should secure minimum of 40 marks for each paper to have a pass in the Examinations.

**Establishments Code**

Time 2 hours. The question paper will have 07 questions and candidates are required to answer any 04 questions out of them.

- Chapter XV  - Travel abroad for study Training or on duty.
- Chapter XVI  - Holiday Travel
- Chapter XXIII - Special concessions and conditions regarding officers suffering from special type of illnesses.
- Chapter XXIV - Salary Loans/Advances
- Chapter XXV - Connections to trade union Members
- Chapter XXVII - Channel of Communication
- Chapter XXVIII - Administrative Procedure
- Chapter XXX - Right of Government over its Officers
- Chapter XXXIII - Legal advice and legal actions
- Chapter XLVII - General Conduct and discipline
- Chapter XLVIII - Disciplinary Procedure

Public Administration Circulars on officers’ performances and evaluation will also apply.

**Financial Regulations.**

Time 02 hours. The question paper will have 07 questions and candidates are required to answer any 04 question out of them.

Questions will be based on following chapters.

(1) **Chapter VI**

Custody of Public Finances etc.
Imprest and Bank Accounts — Security of Public Finances, Board of Survey, Bank Draft, Bank Accounts. (F.R. 315 – 396)

(2) **Chapter XIII**

Supply works and services: - Supplies/ Purchasing system, Stores Verifications Storage System, Contracts Deviation from tender procedure (F.R. 708 – 775)

08. Please bring the contents of this circular to the notice of all eligible relevant officers in your division/specialized campaign/Institution.

**M B L Rahuman**
Deputy Director General (Admin) II
For Director General of Health Services

**M. B. L. Rahuman**
Deputy Director General (Admin) II
Ministry of Health,
"Suwasiripaya",
Colombo 10.
Specimen form of application

Departmental Examination & Efficiency bar Examination for
Ophthalmic Technologists Grade II / Class II Seg. "A" - 2014

01. (a) i. Name of the Applicant : .................................................................

ii. Name of the Applicant (In block letters with initials at the end)


(iii) Names denoted by initials (In block letters)

(b) i. Date of appointment to the Ophthalmic Training :

ii. Date of first appointment

iii. Reference number and the date of the letter

of confirmation

iv. Date of passing the Efficiency Bar & Department

Examimation in Class II Segment “B” and the

reference No.

v. Date of the appointment to the class II seg “A” :

vi. Present Annual Salary

vii. Telephone Number

02. Subjects offered ( Mark “✓” within the cages against the subjects you offer in this Examination. Mark “X” against the subjects not offered)

Subject Related Question paper Practical

Establishments Code

Financial Regulations Viva Voce

03. (a) Present Station :

(b) District of the Present Station :

(c) Whether two self-addressed envelopes in the size of 9 X 4 inches with stamps affixed to the value of Rs. 35.00 has been attached to the application to post the Admission Card and the result sheet?

(d) Postal Address to post the Admission Card (In block letters) :

04. Medium you sit for the examination (Sinhala/English/Tamil)
05. (a) Whether you sit for the examination for the first time: .........................................................

(b) If not so, have you affixed stamps to the application?

Stamp Cage

06. Certificate of the candidate:

(i) I do hereby certify that the particulars furnished by me in this application are true and accurate to my knowledge and I need not affix stamps since I sit the Examination for the first time/have affixed stamps to the value of Rs. ........ since I repeat the Examination,* and the stamps affixed by me to the application are genuine and not used before.

(ii) I agree to abide by the rules and regulations stipulated by the Department of Health for the conduct of this Examination and if I was found ineligible in accordance with the scheme of the Examination I agree with whatever decision taken for the cancellation of my candidature.

.................................................................
Date

.................................................................
Signature of the candidate

07. Certification of the subject management assistant who keeps the personal files

It is here certified that the application was forwarded to before the closing date. the application has been completed according to the details of the personnel file by the applicant. A copy of the application has been filed.

.................................................................
Date

.................................................................
Name and Signature

08. Certification of Head of Institution

*Mr/Mrs/Miss ........................................ is well known to me and he/she* sits the Examination for the first time / repeats the Examination * he / she* need not affix stamps / has affixed stamps to the value of Rs. ............ to the Application and the particulars furnished in the application are correct in accordance with the particulars available in his/her* personal file and he / she* eligible to sit for the Examination and he / she* placed his / her* signature in my presence.

.................................................................
Date

Signature of Head of Institution/Frank/Rubber Stamp

09. Certificate of the Head of Decentralized unit / specialized Campaign

*Mr/Mrs/Miss ........................................ serves as a Ophthalmic Technologist Class II Seg. "A" / Grade II in my Division / Campaign* and the particulars furnished by him / her* in the Application are correct in accordance with the particulars available in his / her* personal file and he / she* is eligible to sit for the Examination.

.................................................................
Date

Signature of Head of Decentralized Unit / Specialized campaign

(Frank / Rubber stamp)

* - Delete words which are inapplicable