Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Optometry Degree Examination - Aug 2013

Time: Three Hours | Max. Marks: 100 Marks

Low vision aids and geriatric optometry

Q.P. CODE: 1636

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Four) 4 x 10 = 40 Marks

1. Discuss the various approaches to rehabilitation of the visually handicapped
2. A 6 year old child with RP, visual acuity less than 6/36 in both eyes, field less than 40^{o}. Plan the low vision intervention
3. Write in brief about vascular disorder due to old age.
4. Briefly explain Optometric Examination of the Older Adult
5. Enumerate the optics, uses, advantages and disadvantages of optical devices

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

6. Explain the categories of low vision
7. Write a short note on Assessment of functional vision.
8. Write near add calculation done in LVA
9. Write a short note on electro optical device
10. Write in brief about the rehabilitation in our country.
11. Briefly explain problem associated with the aging process.
12. Describe some structural changes of lid due to old age
13. List ocular disorders leading to loss of peripheral field
14. Types of magnifications with examples

SHORT ANSWERS 10 x 2 = 20 Marks

15. Describe confrontation test
16. Describe the pine hole spectacle
17. Non optical device
18. Define low vision
19. Glasgow acuity card
20. Graves diseases
21. Alzheimer's disease
22. Log MAR
23. Refractive changes due to DM
24. Talking book

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III Year B.Sc. Optometry Degree Examination – Aug 2013

Time: Three Hours | Max. Marks: 100 Marks

Contact Lens

Q.P. CODE: 1637

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Four) 4 x 10 = 40 Marks

1. What are therapeutic contact lenses? What is the consideration for these lenses?
2. Discuss the classification of soft contact lens based on replacement schedule. Give example of Contact lenses, which are available in India for each of above category.
3. Explain in detail various contact lens options and fitting philosophies for correcting Keratoconus.
4. Briefly explain Indications and Contraindications while selecting the contact lenses.
5. In which patients you will never give any soft contact lenses. List situations where you necessarily chose soft lens over an RGP lens

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

6. What problems are the most commonly encountered after initiating contact lens wear?
7. Write different method to clean and disinfectant a contact lens.
8. Write a short note on scleral contact lens
9. Write a note on keratometry and how is it useful it in fitting contact lens
10. FDA classification of soft contact lens and gives some example for each group.
11. Write about various method of disinfecting SCL
12. Explain the various stages of CLPC with their management.
13. What are the Different types of deposit? Write about their identification and management.
14. Write short note on prism ballast, truncation, and dynamic stabilization

SHORT ANSWERS 10 x 2 = 20 Marks

15. Corneal Warpage
16. SPK
17. Advantages and disadvantages of simultaneous image
18. Dynamic stabilization
19. Describe daily wear and extended wear contact lens
20. Lid Tone
21. Name few CL deposit
22. Videokeratography
23. PMMA
24. Oxygen transmissibility

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III Year B.Sc. Optometry Degree Examination – Aug 2013

Time: Three Hours | Max. Marks: 100 Marks

Pediatric Optometry, Binocular Vision and Advanced Optometry

Q.P. CODE: 1642

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Four) 4 x 10 = 40 Marks

1. 1. Write a note on
   a) Complete third nerve palsy.
   b) How can you differentiate between paralytic and non paralytic strabismus
   c) Management of paralytic squint
   d) Add a note on Bielschowsky head tilt test
2. Briefly explain the Development of Binocular vision.
3. Briefly explain Nystagmus – definition, classification and clinical evaluation.
4. Write a short note on cycloplegic refraction
5. Write a short note on emmetropization of human eye

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

6. Short note on Tests for binocular single vision.
7. Briefly explain Visual direction, localizing sign and corresponding points.
8. The contact lens corrective modality in pediatric aphekia
9. What are the different tests to determine suppression
10. How do you diagnose phoria and tropia.
11. Write a short note on Down's Syndrome
12. Write a short note on Maddox rod test.
13. Mechanism of BSV and its advantages
14. Write a note on
    a) Worth Four Dot test
    b) After image test

SHORT ANSWERS 10 x 2 = 20 Marks

15. Stereopsis.
16. Longitudinal Horopter.
17. Panum's space.
18. Spatial sense.
19. Pre-requisites of Binocular vision.
20. Types of ARC.
21. Give a brief idea about APGAR Scoring
22. While taking history of a patient what should you note in birth history
23. Synergists.