

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - Visual Optics II

Course Code - BOPT0402

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Answer all the questions. Each question carry one mark.

9. 1. Opponent theory of colour vision is proposed by

Mark only one oval.

- Ewald hering
- Thomas Young
- Herman von helmholtz
- Both Thomas Young & Herman von helmholtz

10. 2. The sensitive cone pigment known as cynaolobe is

Mark only one oval.

- Red
- Green
- Blue
- Yellow

11. 3. The time allowed to read each plate of ishihara test is

Mark only one oval.

- 3 minutes
- 3 seconds
- 4 minutes
- 4 seconds

12. 4. Nagels invented

Mark only one oval.

- Anomaloscope
- Lantern test
- AO HRR test
- None of these

13. 5. Which one of these is used as an occupational vision test

Mark only one oval.

- FM 100 hue test
- Lantern test
- Anomaloscope
- None of these

14. 6. What is the testing distance for Cambridge low contrast gratings?

Mark only one oval.

- 6 meters
- 4 meters
- 3 meters
- 1 meter

15. 7. Visual acuity measured with patient's own spectacle or contact lens is known as

Mark only one oval.

- Unaided Visual Acuity
- Habitual visual acuity
- Optimal visual acuity
- None of these

16. 8. The ability of eye to appreciate shape of an object is known as

Mark only one oval.

- Light sense
- Form sense
- Colour sense
- Contrast sense

17. 9. Sloan optotypes are based on _____ grid pattern

Mark only one oval.

- 5X4
- 5X5
- 4X5
- None of these

18. 10. Amplitude of accommodation refers to

Mark only one oval.

- The range at the retina in which an optical image may move without impairment of clarity
- Difference between the dioptric power needed to focus at near point and to focus at far point
- An expression of the stretch
- All of these

19. 11. During accommodation, the anterior pole

Mark only one oval.

- Moves backward
- Remain same
- Moves forward
- Moves upward

20. 12. For an emmetropic eye, the far point at age 10 years is about

Mark only one oval.

- 5 cm
- 25 cm
- 7 cm
- 10 cm

21. 13. At age 40 years, the amount of amplitude of accommodation is about

Mark only one oval.

- 2D
- 6D
- 8D
- 4D

22. 14. As the age increases following changes are seen

Mark only one oval.

- Changes in the elastic properties of lens capsule
- Sclerosis of the lens substance
- Weakening of the ciliary muscle
- All of these

23. 15. The time lapse between the presentation of an accommodative stimulus and occurrence of the accommodative response is known as

Mark only one oval.

- Stimulus for accommodation
- Reaction time
- Scanning time
- Dark adaptation

24. 16. AC/A ratio can be determined by

Mark only one oval.

- Euthyscope
- Miotic therapy
- Gradient method
- Worth four dot test

25. 17. Parasympatholytics include

Mark only one oval.

- homatropine
- hydroxyamphetamine
- diisopropyl fluorophosphate
- cocaine

26. 18. Push up technique is used in measuring

Mark only one oval.

- Diplopia charting
- AC/A ratio
- Amplitude of accommodation
- CA/A ratio

27. 19. Bilateral paresis of accommodation can be caused by

Mark only one oval.

- Diptheria
- Alcoholism
- Diabetes
- All of these

28. 20. The term “accommodation” as applied to the eye, refers to its ability to

Mark only one oval.

- Erect and inverted image formed on the retina
- Adjust the focal length of the lens
- Vary the distance between the lens and retina
- Control the light intensity falling on the retina

29. 21. When a beam of white light falls on a glass prism, the colour of light which will deviate least is

Mark only one oval.

- Violet
- Red
- Blue
- Green

30. 22. Near and far points of a young person’s normal eye respectively are

Mark only one oval.

- 25cm and infinity
- 25cm and 150 cm
- Between 0 and infinity
- 0 and 25 cm

31. 23. Bifocal lens are used to correct

Mark only one oval.

- astigmatism
- presbyopia
- coma
- myopia

32. 24. The image formed on the retina of the human eye is

Mark only one oval.

- Virtual and inverted
- Real and inverted
- Real and erect
- Virtual and erect

33. 25. The deflection of light by minute particles and molecules of the atmosphere in all direction is called _____ of light

Mark only one oval.

- Dispersion
- Scattering
- Interference
- Tyndall effect

34. 26. Convergence insufficiency is associated with

Mark only one oval.

- Low AC/A ratio
- High AC/A ratio
- Normal AC/A ratio
- Increased NPC

35. 27. Stereopsis can be assessed and quantified by

Mark only one oval.

- Random dot test
- Cover test
- Bagolinis glass
- RAF ruler

36. 28. Treatment options for accommodative-vergence dysfunction includes

Mark only one oval.

- Spectacle
- Vision therapy
- Prisms
- All of these

37. 29. Paralysis of accommodation can be treated with

Mark only one oval.

- Only plus lens
- PAL
- Minus lens
- Vision therapy

38. 30. Spasm of accommodation can be treated with

Mark only one oval.

- Plus lens
- Vision therapy
- Cyclopegic drugs
- All of these

39. 31. In NOTT method, the near chart is hold at

Mark only one oval.

- 67cm
- 20cm
- 100cm
- 40cm

40. 32. The normal Lag of accommodation value for 40 cm target is

Mark only one oval.

- 0.5D-1D
- 0.00-0.50D
- 3.-4D
- 1-2D

41. 33. In MEM, the accommodative target is at

Mark only one oval.

- Distant chart
- Retinoscopic head
- Near point rod
- None of these

42. 34. In performing MEM, the neutrality gets by

Mark only one oval.

- Moving forward from 40cm
- Introducing plus lens
- Moving backward from 40cm
- Introducing minus lens

43. 35. Cyclopegic refraction is useful for

Mark only one oval.

- Non-communicative patient
- Accommodative anomalies
- Young patient
- All of these

44. 36. Static retinoscopy includes

Mark only one oval.

- Accommodative target
- Optical arrangement that magnifies the patient's pupil
- Close fixation retinoscopy
- Non accommodative target

45. 37. Which is the strongest cyclopegic agent among the mentioned list?

Mark only one oval.

- Cyclopentolate
- Atropine
- Homatropine
- Pilocarpine

46. 38. Drug required for dilatation of eye in patient of children with squint

Mark only one oval.

- Tropicamide
- 1% Atropine drop
- 1% Atropine ointment
- Homatropine

47. 39. Methyl alcohol causes blindness by acting on

Mark only one oval.

- Ganglion cells
- Rods and cones
- Nerve fibres
- Rods only

48. 40. Choroidal neovascularization is seen in all except

Mark only one oval.

- Myopia
- Hypermetropia
- Trauma
- Angiod streak

49. 41. A friend of yours has a spectacle correction of $-6.00D$ and $-8.00D$. He informed you one morning that he has started seeing some opacities floating in front of his eye and his vision is decreased slightly over the last few days. What will you do as an Optometry student?

Mark only one oval.

- Reassure
- Refraction and prescribe a new spectacle
- Direct Ophthalmoscopy
- Indirect Ophthalmoscopy

50. 42. The levator palpebrae superioris is supplied by the

Mark only one oval.

- VII nerve
- V nerve
- VI nerve
- None of these

51. 43. Most sensitive part of retina is

Mark only one oval.

- Macula
- Peripheral retina
- Fovea-centralis
- Optic disc

52. 44. In child, drug choice for correction of refractive error

Mark only one oval.

- 1% ointment Atropine
- Tropicamide
- Phynlephrine
- Atropine drops

53. 45. Pachymeter is used to measure

Mark only one oval.

- Corneal Thickness
- Corneal Diameter
- Corneal Density
- Conjunctival Thickkness

54. 46. Amsler grid is used to evaluate the

Mark only one oval.

- Macula
- Retina
- Cornea
- Optic disc

55. 47. If the axial length of the eyeball is changed by 1 mm then the power changes by-

Mark only one oval.

- 3D
 4D
 2D
 1D

56. 48. Perimetry is a test to assess the

Mark only one oval.

- Visual acuity
 Visual field
 Depth of Anterior Chamber
 IOP

57. 49. Blind spot is located at

Mark only one oval.

- Macula lutea
 Ora serrata
 Optic disc
 Fovea centralis

58. 50. Action of inferior oblique muscle of eye

Mark only one oval.

- Abduction and extorsion
- Adduction and extorsion
- Abduction and intorsion
- None of these

59. 51. Power of a reduced eye is normally

Mark only one oval.

- 18D
- 20D
- 35D
- 58D

60. 52. A patient presented with pain in left eye associated with visual disturbance, also a history of blunt trauma to eye 4 month back, first investigation of choice is

Mark only one oval.

- IOP
- Ultrasound
- Ophthalmoscopy
- Perimetry

61. 53. The magnification obtained with a direct ophthalmoscope is

Mark only one oval.

10X

5X

20X

15X

62. 54. Coloured haloes around light is seen in

Mark only one oval.

Primary open angle glaucoma

Immature cataract

Mature cataract

None of these

63. 55. The most common quadrant for retinal break in myopia is

Mark only one oval.

Lower nasal

Upper nasal

Upper temporal

Lower temporal

64. 56. The corneal transparency is maintained by

Mark only one oval.

- Keratocytes
- Bowman's membrane
- Endothelium
- DM

65. 57. All except one are tests for macular function

Mark only one oval.

- Laser interferometry
- Two point discrimination
- Retinal ERG
- Maddox rod test

66. 58. Extraocular muscle develops from?

Mark only one oval.

- Neuroectoderm
- Mesoderm
- Endoderm
- Ectoderm

67. 59. The most common cause of ocular morbidity in India is

Mark only one oval.

- Conjunctivitis
- Cataract
- Refractive error
- Trachoma

68. 60. What is the size of optic disc?

Mark only one oval.

- 0.5 mm
- 1.5 mm
- 10.5 mm
- 5.5 mm

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