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

Course Name - Visual Optics II Course Code - BOPT0402

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_ .. . _ _

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Answer all the questions. Each question carry one mark.

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

- 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.

\bigcirc	Red
\bigcirc	Green
\bigcirc	Blue
\bigcirc	Yellow

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

Mark only one oval.



12. 4. Nagels invented

- Anomaloscope
- 🔵 Lantern test
- A0 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

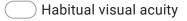
14. 6. What is the testing distance for Cambridge low contrast gratings?

Mark only one oval.

- 6 meters 4 meters 3 meters
- 15. 7. Visual acuity measured with patient's own spectacle or contact lens is known as

Mark only one oval.

Unaided Visual Acuity



Optimal visual acuity

None of these

16. 8. The ability of eye to appriciate 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.



_____ 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

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

25. 17. Parasympatholytics incluse

Mark only one oval.

homatropine

- hydroxyamphetamine
- diisopropyl fluorophosphate
- cocaine
- 26. 18. Push up technique is used in measuring

Mark only one oval.

- Diplopia charting
- 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

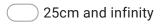
Mark only one oval.

- 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 fails on a glass prism, the colour of light which will debiate 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 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

- Dispersion
- Scattering
- Interference
- Tyndall effect

34. 26. Convergence insufficiency is associated with

Mark only one oval.

Low AC/A ratio

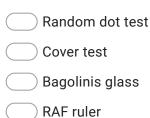
High AC/A ratio

Normal AC/A ratio

Increased NPC

35. 27. Stereopsis can be assessed and quantified by

Mark only one oval.



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

- 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

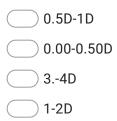
_____ 20cm

_____ 100cm

_____ 40cm

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

Mark only one oval.



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

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

43. 35. Cyclopegic refraction is useful for

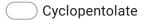
Mark only one oval.

- 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.



Atropine

- Homatropine
- Pilocarpine

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

Mark only one oval.

_____ Tropicamaide

- 1% Atropine drop
- 1% Atropine ointment
- Homatropine
- 47. 39. Methyl alcohol causes blindness by acting on

Mark only one oval.

- Ganglion cells
- Rodes and cones
- Nerve fibres
- Rods only
- 48. 40. Choroidal neovascularization is seen in all except

Mark only one oval.

Myopia

____ Hypermetropia

🔵 Trauma

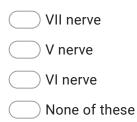
Angiod streak

49. 41. A friend of yours has a spectacle correction of -6.00Dand -8.00D.He informed you one morning that he has started seeing some opacities floating infront of his eye and his vision is decreaed 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 palpabrae superioris is supplied by the

Mark only one oval.



51. 43. Most sensitive part of retina is

- 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
- Conjuctival Thickkness
- 54. 46. Amsler grid is used to evaluate the

- 🔵 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.



56. 48. Perimetry is a test to assess the

Mark only one oval.

\bigcirc	Visual	acuity
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- 📃 Visual field
- Depth of Anterior Chamber
- 57. 49. Blind spot is located at

- 🔵 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.

- Ultrasound
- Opthalmoscopy
- Perimetry

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

Mark only one oval.



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

- 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 interfermetry
- Two point discrimination
- Retinal ERG
- Maddox rod test
- 66. 58. Extraocular muscle develops from?

- Neuroectoderm
- 🔵 Mesoderm
- Endoderm
- 🔵 Ectoderm

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

Mark only one oval.

Conjuctivitis 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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