1. The Humphrey’s Visual Field Analyzer allows a minimum percentage of fixation losses before it indicates there are reasons for concern. What is that percentage?
   a) 19%
   b) 13%
   c) 19%
   d) 25%
   e) 21%

2. True or False: A patient with Stafler’s Sign and symptoms of possible retinal problems should have scleral indentation performed assuming nothing was found during the initial BIO examination.

3. Which of the following retinal conditions are possible indications for scleral indentation? (Circle all correct answers and only correct answers.)
   a) Cystoid Degeneration
   b) White Without Pressure
   c) Peripheral Retinal Holes
   d) Reticular Pigmentary Degeneration
   e) Toxoplasmosis
   f) Vitreoretinal Adhesions

4. A patient presents to your office with a recent eye trauma, what is the appropriate protocol you must follow?
   a) Take a history, VA’s, Slit Lamp Examination, Externals/pupils, Stain with fluorescein, Check for Seidel’s Sign, DFE.
   b) History, VA’s, Externals/pupils, Slit Lamp Examination, Stain with fluorescein, Check for Seidel’s Sign, DFE.
   c) History, Stain with fluorescein, Check for Seidel’s sign, Slit Lamp Exam, Externals/pupils, VA’s, DFE.
   d) Externals/pupils, VA’s, History, Stain with fluorescein, Check for Seidel’s Sign, Slit Lamp Examination, DFE.
5. After foreign body removal, you should instill one or two drops of 5% homatropine because it: (Circle all correct answers and only correct answers.)(c) helps restore permeability to lost vessels. (d) prevents posterior synechiae. (e) makes the patient's vision clearer. (x) causes cycloplegia. (f) helps anesthetize the eye.

6. Which of the following conditions would you want to patch a patient's eye? (Circle all correct answers and only correct answers.)
(a) corneal ulcer secondary to rigid contact lens wear. (x) after removal of a corneal foreign body. (3) corneal abrasions secondary to soft contact lens over wear. (b) corneal acid burn. (a) penetrating corneal foreign body

7. When testing with the Goldmann perimeter, the following filters and target size have been selected:

Assuming correct calibration of the instrument, the "brightness" of the target is: (Circle all correct answers and only correct answer.)
(a) 1000 Apostilbs
(b) 100 decibels
(c) 1000 Apostilbs
(d) 1000 decibels
(e) 25 Apostilbs mm²
(f) 250 decibels mm²
6. Which of the following types of lenses are not typically used for multifocal lenses? 
   a) toric lenses 
   b) progressive lenses 
   c) bifocal lenses 
   d) aspheric lenses 
   e) accommodating lenses 
   f) contact lenses

7. What is the primary reason for the use of contact lenses? 
   a) correction of vision 
   b) cosmetic enhancement 
   c) therapeutic purposes 
   d) recreational activities 
   e) both a and c 
   f) none of the above

8. The angle of attack for a lens is determined by the: 
   a) spherical power 
   b) cylindrical power 
   c) vertex distance 
   d) vertex curve 
   e) none of the above

9. The or False: The Humphrey's Vision Analyzer uses a target size of 4mm².

10. Catalam® is: (Circle all correct answers and only correct answers.)
   a) a potent anesthetic
   b) a potent analgesic
   c) a potent anitbiotic
   d) an NSAID
   e) an anticonvulsant
   f) disulfiram

11. What does the acronym SLACH stand for? (Circle the correct answer.)
   a) Soft Lens Associated Corneal Hypoxia
   b) Soft Lens Associated Corneal Hypoxia
   c) Soft Lens Associated Corneal Hypoxia
   d) Soft Lens Associated Corneal Hypoxia
   e) Soft Lens Associated Corneal Hypoxia

12. Using your B.I.O., you detect a lesion in your patient's left eye as the patient looks up and to his/her right. The lesion is located between the equator and ora serrata. In the diagram below, circle the correct "letter" where you should record your finding.

   [Diagram of eye with lesions marked A, B, C, and D]
13. The follow graphic represents two periphery optic lesions as seen anatomically. Circle the most likely location of those lesions "A" & "B" as seen within a condensing lens.

14. True or False: Snail track degeneration is similar in appearance to lattice degeneration—except that snail tracks are pigmented and lattice is not pigmented.

15. Which of the following are true statements about the Humphrey's Field Analyzer 30/60:1 test:
   a) test the central 30 degrees plus the peripheral 60 degrees
   b) test only the peripheral field from 30 degrees out to 60 degrees
   c) test points on the vertical and horizontal meridians
   d) in most cases will not require trial lenses
   e) has a grid resolution of 8.4 degrees

16. Which of the following are true statements about the anatomical basis of glaucomatous fields: (Circle all correct answers and only correct answers)
   a) the superior temporal arcuate fibers represent the superior nasal fields
   b) the superior temporal arcuate fibers represent the inferior nasal fields
   c) between the optic disc and fovea is the papillomacular bundle
   d) damage to the arcuate fibers exiting the inferior temporal part of the optic nerve results in a inferior nasal field defect
   e) usually nerve fibers entering or exiting the optic disc superiorly and inferiorly are damaged first

17. Which of the following are true statements about the Humphrey's Field Analyzer 24-2 test:
   a) test a total of 68 degrees horizontally from fixation
   b) test superiorly 24 degrees
   c) unlike the 24-1 the 24-2 test points separated every 4 degrees
   d) when merged with the 24-1 results in a test grid pattern of 6 degrees

18. True or False: Blood influx phenomenon is a often a finding in open angle glaucoma, and it is due to aqueous pressure being lower than venous pressure.
20. An emmetropic eye viewed with a 20 D condensing lens and a BIO has a simple magnification of:
   a) 2.3
   b) 3.7
   c) 5.0
   d) 3.3

21. Which of the following Total Deviations is the most diagnostically significant finding for the Humphrey's Field Analyzer?
   a) 0dB
   b) 2dB
   c) -5dB
   d) 10dB

22. Concerning the relationship between decibels and logarithms, which is correct? (Circle all correct answers and only correct answers)
   a) 1 dB = 0.1 Log Unit
   b) 10 dB = 1 Log Unit
   c) 10 dB = 10 Log Units
   d) 30 dB = 3 Log Units
   e) 3 dB = 30 Log Units

23. Concerning brightness, the least sensitive test target would be:
   a) 14e
   b) 12e
   c) 13a
   d) 13c

24. True or False: A patient's visual acuity falls off to less than 20/200 beyond 30 degrees.
25. Of the following, which are not considered to be benign retinal conditions? (Circle all correct answers and only correct answers)
   a) White without pressure
   b) lattice degeneration
   c) pachychoroidal degeneration
   d) small track degeneration
   e) hypertrophy of the retinal pigment epithelium

26. A patient has the following "K" readings 41.75 @ 180 = 46.25 @ 90. To correctly use the Perkins handheld tonometer, one must place the probe so the:
   a) 180° mark on the probe is lined up with the white line on the carrier
   b) 90° mark on the probe is lined up with the red line on the carrier
   c) 180° mark on the probe is lined up with the red line on the carrier
   d) 90° mark on the probe is lined up with the white line on the carrier

1. The relatively common fungal infection with clinical signs of punched-out (atrophic degeneration) peripheral retinal lesions, peripapillary atrophy, macular changes, and calcified pulmonary lesions describes:
   a) histoplasmosis
   b) toxoplasmosis
   c) toxocara canis
   d) Coat's disease
   e) Eales's disease

Mydriasis and cycloplegia after corneal trauma serves to: (Circle all correct answers and only correct answers)
   a) control the contraction of the iris sphincter and ciliary body muscles helping to reduce pain
   b) open the fenestration in the blood vessels allowing for faster healing
   c) move the iris away from the lens preventing secondary adhesions
   d) allows more light through the pupil so the patient can see better

With regard to the Humphrey's Field Analyzer (PATIENT'S RESPONSE) - (EXPECTED NORMAL) =
   a) total deviation
   b) pattern deviation
   c) short term deviation
   d) short term fluctuation

Points Correct: 6 / 4
Points Missed: 2 / 7
Percentage Correct: 6 / 4