

## Multiple Choice Questions in Low Vision – 2

In every question there are 4 choices. You have to choose the correct one

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A patient was prescribed a telescope for distance vision, however he complained of complained of glare and reduced image quality with the current telescope. What should be the possible solution of this case?

- a. To prescribe a telescope with smaller objective lens
- b. To prescribe a telescope with larger objective lens
- c. Multilayered Anti Reflection Coating
- d. Increasing the vertex distance

A patient was instructed to read a magazine with magnifier, the reading material should be held

- a. farther than one focal length from the magnifier.
- b. closer than one focal length from the magnifier
- c. in the front focal plane of magnifier
- d. b or c

Which of the following telescope has the largest exit pupil

- a. 7x50
- b. 8x30
- c. 10x20
- d. 10x40

A patient pupil size is 8 mm. Under normal lighting, patient experiment through the four telescope by seeing any objects as suggested by the practitioner. Which telescope will appear to be the least brightest

- a. 7x50
- b. 8x30
- c. 10x20
- d. 10x40

What is the equivalent power of 2x Galilean telescope consisting of +25.00D objective and -50.00D ocular that is focal for 40 cm.

- a. +2.50 D
- b. +5.00D
- c. +7.50D
- d. +10.00D

What telescopic magnification would be required for a patient whose best corrected visual acuity is 10/120 for reading street signs, where the estimated needed acuity is 20/40.

- a. 4x
- b. 4.5x
- c. 6x
- d. 7.5x

You are given a task to instruct the patient on using a telescope. Which of the following order of the steps are correct?

- a. Focussing, localization, spotting, tracing, tracking, scanning
- b. Localization, focusing, spotting, tracking, tracing, scanning
- c. Spotting, tracing, tracking, localization, focusing, scanning
- d. Localization, focusing, spotting, tracing, tracking, scanning

What is the equivalent power of a telescope composed of  $-50.00\text{D}$  ocular and  $+25.00\text{D}$  objective focussed for 20 cm with  $+5.00\text{D}$  reading cap?

- a.  $+7.50\text{D}$
- b.  $+10.00\text{D}$
- c.  $-10.00\text{D}$
- d.  $-12.50\text{D}$

A patient has a best corrected near acuity of  $0.33/4\text{M}$  and desires to read the newspaper which is found to be  $1\text{M}$  print. What reading cap power would be required for  $2.2\text{x}$  telescope to accomplish this task

- a.  $+4.04\text{D}$
- b.  $+4.44\text{D}$
- c.  $+5.51\text{D}$
- d.  $+5.54\text{D}$

What is the dioptric power of ocular lens of a telescope when its tube length is 3.00 cm and objective lens is +25.00D?

- a. -100.00D
- b. +100.00D
- c. -50.00D
- d. +50.00D

According to kestenbaum's rule, how much magnification would be required for a patient whose best distance VA is 20/160 (if he has to read 20/50 reduced Snellen)

- a. 4x
- b. 2x
- c. 4D
- d. 6D

What lens power would be required for a patient to read 1M when the patient best VA is 0.40/4M?

- a. +10.00D
- b. + 8.00D
- c. +12.00D
- d. +14.00D

Which statement is correct when a low vision patient uses electronic display magnification?

- a. there is only a minimum amount of magnification that may be obtained
- b. font types cannot be modified
- c. with increased magnification there is a corresponding reduction in the amount of material displayed on the screen at any given time.
- d. letter spacing cannot be modified

If a low vision patient has VA of 20/100 through his spectacle lenses which system should be initially evaluated?

- a. electronic display system
- b. optical devices
- c. vocalization system
- d. Braille display system

Four point print is equal to

- a. 1M
- b. 0.4M
- c. 0.8M
- d. 0.5M

The largest category of nonoptical devices is probably which of the following

- a. relative distance devices

b. relative size devices

c. writing devices

d. mobility devices

Illumination controls used for distance vision include

a. side shields

b. multiple pinhole spectacles

c. tints and coatings

d. typoscopes

The greatest advantage of large type materials is that they

a. have better contrast and therefore greater visibility

b. are available in relatively large amounts of magnification

c. permit more habitual and therefore comfortable reading

d. are less cumbersome than most means of magnification

Of the following filters, which one has the properties of being photochromic and having the ability to incorporate patient's refractive correction?

a. NoIR 107

b. UV Shield

c. Neutral density gray

d. CPF 550

The total magnification of a CCTV incorporates the following magnification

- a. relative size magnification
- b. projection magnification
- c. relative distance magnification
- d. a and b

When glare affects the middle and low spatial frequency levels of a patient's contrast sensitivity, you would most likely expect this patient to experience problems with which of the following?

- a. Mobility
- b. Visual acuity
- c. Colour vision
- d. Light Adaptation

How much minification is obtained when a patient views through a -12.00 D lens held 40 cm from the eye?

- a. 3.0x
- b. 3.3x
- c. 4.8x
- d. 4.2x

A patient has confirmed bitemporal hemianopia, the direction of the base of prism in a spectacle lens should be

- a. nasal
- b. inferior
- c. superior
- d. temporal

A patient in advanced stages of retinitis pigmentosa attempts to read with microscopic lens, but he complains that he is able to see only two or three letters at a time. What other device may be recommended so that he can see more letters at a time with same size print?

- a. CCTV
- b. handheld magnifier
- c. stand magnifier
- d. all of the above

A patient with diagnosis of advanced glaucoma complains of glare and photophobia. What will you recommend?

- a. Photochromatic lens
- b. Yellow or amber lens
- c. Varied type of tinted lens depending on environment or lighting situation
- d. a and b