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KING SAUD UNIVERSITY

**COLLEGE OF APPLIED MEDICAL SCIENCES**

#  DEPARTMENT OF OPTOMETRY

#

# OPTO 224

#

**Student name:**

**Student number:**

**MCQ Section**

1-  If the retinoscopy reveals neutralization (retinoscopy finding) at

 +0.50 -1.00 X 90 at 50cm, the final refraction will

a) +0.50-1.00X90

b) PL-1.00X90

c) -1.50-1.00X90

d) +0.50-1.00X180

2- Retinoscopy is an instrument used to determine

a) the refractive error objectively

b) the curvature of the cornea

c) the refractive error subjectively

d) depth of the anterior chamber

3- contrast sensitivity is :

a) Refers to the ability of visual system to distinguish between an object and its background

b) Ratio of the difference in the luminance of these two areas to the lower or higher of these luminance values

c) All of the above

d) None of the above

4- the symptoms of contrast sensitivity is :

1. Difficulty seeing pedestrians walking
2. Have problem with night driving
3. All of the above
4. None of the above

5- patient between 20-50years, the contrast sensitivity should be :

1. 1.65 and above
2. 1.65 and below
3. 1.80 and above
4. 1.80 and below

**True or False**

1- There are two types of retinoscope spot and streak retinoscope ( )

2- in retinoscopy if the reflex of light is becoming brighter, and the motion is become faster this indicate that your are not far from neutralizing point ( )

3- in retinoscopy the patient should be look to letter E or other fixation target make sure that the accommodation is not relaxed ( )

4- retinoscopy is method of subjective refraction ( )

5- If the patient has 20/20 vision indicate that he has good contrast sensitivity ( )

 6- refractive surgery like RKP can change the contract sensitivity ( )

7- dry eye can reduce the contrast sensitivity of the patient ( )

**Fall the space**

1- A light is directed into the eye and the movement of the reflex is observed.

    If the reflex moves in the same direction as the retinoscope, this is called \_\_\_\_ movement
    and we add \_\_\_\_\_lenses.  If the reflex moves in the opposite direction to the retinoscope, this called \_\_\_\_\_
    movement and we add \_\_\_\_\_ lenses .

2- A retinoscope is made up of a light source, a condensing lens and a mirror. Although the
    image on the patient's retina moves in the same direction as the retinoscope light is moved
    on the patient's eye. This image reflex will appear to the observer to move in either the
    same direction (with) or in the opposite direction (against).

    Two factors affect the movement of the reflex and there are:

1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3- The vergence of the light can be changed in streak retinoscope.
if the handle of the retinoscope is down \_\_\_\_\_\_\_\_\_and if the handle of the retinoscope is up \_\_\_\_\_\_\_\_

4- Using the streak retinoscope with the handle down, with motion is observed without lenses at the working distance of 67cm.

There are three possibilities:
1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5- During retinoscopy, If you are working at a distance of 50cm, and you find that with the streak at 90 degrees +2.00 D sphere neutralized the reflex; with the streak at 180 degrees a -2.00D cylinder neutralizes the reflex. The patient's final refraction is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6- in retinoscopy the endpoint (neutrality) the pupil of the patient is suddenly filled with light and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion is observed

7- an examiner working distance 67 cm will observe an against motion when refracting a -2.00 myopic patient ( without any lenses being placed in front of the patient) when refracting the same eye at working distance50cm he observe neutrality when the examiner move to40cm he will observe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion of the eye.

8- in control of the patients accommodation , the patient constantly should be reminded to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make sure that accommodation is relaxed.