

يتكون هذا الاختبار من (100) سؤال موضوعي من نوع الاختيار من متعدد، الإجابة عنها إجبارية. ظلل بقلم الرصاص بشكل غامق الدائرة التي تشير إلى الإجابة الصحيحة في المكان المخصص لذلك في نموذج الإجابة المرفق.

Vision Optics + Refractive Errors

- 1 Aniseikonia is seen in**
 - a- hypermetropia
 - b- astigmatism
 - c- aphakia
 - d- myopia
- 2 If the refraction of the two eyes is different we called this:**
 - a- emmetropia
 - b- anisometropia
 - c- hypermetropia
 - d- astigmatism
- 3 If all meridians of the cornea are not the same curvature results.**
 - a- myopia
 - b- hyperopia
 - c- presbyopia
 - d- astigmatism
- 4 Duochrome test depends on:**
 - a- ocular spherical aberration
 - b- ocular chromatic aberration
 - c- coma aberration
 - d- curvature of field
- 5 A 75 year old man probably has how many diopters of accommodation**
 - a- 2.5
 - b- 5.0
 - c- 0.0
 - d- 8.0
- 6 The movement of the two eyes in the same direction is called a:**
 - a- version
 - b- duction
 - c- torsion
 - d- phoria
- 7 In order to determine intraocular lens power, what information's are needed ?**
 - a- lens thickness, keratometry
 - b- axial length, keratometry
 - c- A/C depth, keratometry
 - d- axial length, pachymetry
- 8 Bitemporal haeminopia is seen in patient with :**
 - a- glucoma
 - b- cataract
 - c- Chiasmal-defect
 - d- keratoconus
- 9 Relative spectacle magnification is equal one if**
 - a- correction lens is placed at anterior focal point of the eye
 - b- correction lens is placed before the anterior focal point of the eye
 - c- correction lens is placed after the anterior focal point of the eye
 - d- correction lens is placed closed to the eye
- 10 Dilated pupil increases the :**
 - a- chromatic aberration
 - b- oblique astigmatism
 - c- curvature of field
 - d- spherical aberration

- 11 The condition in which light is focused on the retina without the aid of lenses or accommodation is called :**
- a- ametropia b- emmetropia
c- hyperopia d- latent hyperopia
- 12 Which is not true of the myopic patient?**
- a- cannot see clearly at distance
b- may read without glasses
c- can accommodate to see distance better
d- can narrow the palpebral fissure to see better
- 13 Hypermetropia which can be overcome by accommodation is called:**
- a- absolute b- axial
c- latent d- facultative
- 14 Spectacle will magnify the image in aphakia by about :**
- a- 6% b- 2-3 %
c- 33% d- 1%
- 15 What is least likely to cause headache**
- a- with the rule astigmatism b- against the rule astigmatism
c- oblique astigmatism d- irregular astigmatism
- 16 Presbyopia appears early in**
- a- emmetropia b- uncorrected hypermetropia
c- uncorrected myopia d- corrected myopia
- 17 Causes of amblyopia include all the following except:**
- a- strabismus b- anisometropia
c- **simple myopia** d- congenital cataract
- 18 The easiest and fastest way to find out any refractive error is**
- a- The retinoscope b- red-green test
c- jaxon cross cylinder d- the pinhole
- 19 keratoconus can be diagnosed by all the following except:**
- a- plaid disc b- Retinoscope
c- duochrome test d- corneal topography
- 20 Most methods of refractive surgery depend on**
- a- reshape the corneal surface
b- increase the axial length
c- change the power of the lens
d- do laser to the retina

Ophthalmic instrument + Clinical Techniques

- 21 The auto-refractor is most like in the job it does.**
- a- the ophthalmoscope b- the retinoscope
c- the keratometer d- the lensometer
- 22 Which is not a proper adjustment to make before starting with retinoscopy?**
- a- the PD of the trial frame is set for the patient PD
b- the patient looks at afar away target
c- the patient's fellow eye is occluded
d- the working lens is put in the trial frame
- 23 We find a keratometer reading of 44.0 @90 and 44.0 @180 .According to javal rule we expect astigmatism of :**
- a- we do not expect to find any astigmatism
b- -0.50 x 180
c- -0.50 x 90
d- we can not predict the amount or type of astigmatism from this readings
- 24 The magnification of direct ophthalmoscope is about :**
- a- x2 b- x10
c- x5 d- x15
- 25 Which of the following use to study the surface of the cornea :**
- a- direct ophthalmoscope b- indirect ophthalmoscope
c- operation microscope d- cornea topography
- 26 Calibration of the lens meter can be checked with:**
- a- adiopter scale b- aprism test
c- trial lenses d- retinoscope
- 27 Solid ultrasound can be disinfected with**
- a- heat b- alcohol
c- auto clave d- bleach solution
- 28 With regard to slit lamp, retro-illumination is used to exam the :**
- a- cornea b- limbus
c- anterior chamber d- iris
- 29 With the applanation tonometer, a correct reading is obtained when the semi-circles touch:**
- a- on the outside b- at the ends
c- overlapping d- on the inside
- 30 Heterophoria is measured by**
- a- maddox wing b- Hirschberg test
c- cover and cover test d- prism cover test

- 31 If the patient cannot identify hand motions, they should next to be asked to**
- a- count fingers
 - b- cover the other eye
 - c- identify light perception
 - d- move toward the chart
- 32 Which is not true of color blindness**
- a- May be congenital
 - b- May be complete
 - c- May be acquired
 - d- deficiencies are usually yellow-blue
- 33 The position of an object that its image falls on the retina in relaxed eye in the absence of accommodation is called the**
- a- near point
 - b- far point
 - c- amplitude of accommodation
 - d- dynamic refraction
- 34 The main disadvantage of using drugs containing preservatives (eye drops)**
- a- lead to damage the corneal epithelium
 - b- increase intraocular pressure
 - c- may cause purulent conjunctivitis
 - d- increase penetration of the eye drops
- 35 All the following drugs can cause miosis of the pupil except :**
- a- pilocarpine
 - b- atropine
 - c- carbachol
 - d- acetyl choline
- 36 In retinoscopy the motion of the reflexes easier to see**
- a- if there is with motion
 - b- if there is against motion
 - c- if the working lens in place
 - d- with and against motion are equally easy to see
- 37 Open angle glaucoma is characterized by all the following except**
- a- adult onset
 - b- an I O P > 21 mm Hg
 - c- closed angle
 - d- visual field loss
- 38 Abnormal inward turning of the lids is termed**
- a- ectroplon
 - b- entroplon
 - c- ptosis
 - d- lagophthalmos
- 39 Perfect ocular alignment in the absence of any stimulus is termed**
- a- orthophoria
 - b- heterophoria
 - c- exotropia
 - d- microtropia
- 40 All the following are true about congenital nystagmus except :**
- a- presentation is about 2-3 month after birth
 - b- it may decreased by convergence
 - c- increase during sleep
 - d- usually jerk horizontal nystagmus

Contact lenses 1 & 2

- 41 During contact lens fitting which instrument is used ?**
- a- direct ophthalmoscope b- applanation tonometer
c- prism bar d- slit lamp
- 42 Effect of long term use of contact lens includes the following except:**
- a- corneal curvature alteration
b- formation of epithelial vacuoles
c- keratocyte density appears to be increased in contact lens wearers
d- decreased corneal sensitivity
- 43 Disadvantage of rigid gas-permeable (RGP) contact lenses is:**
- a- requires follow up care b- correct most vision problems
c- short adaptation period d- excellent vision
- 44 Contact lenses wearing is indicated in:**
- a- cataract b- glaucoma
c- unilateral aphakia d- diabetic retinopathy
- 45 All of the following is true regarding toric lenses except:**
- a- treat myopia only b- stable on the eye
c- have 2 powers d- can be either soft or RGP7
- 46 All of the followings are observed during fitting of contact lenses except:**
- a- vertical movement b- position
c- fluorescein pattern d- depth of anterior chamber
- 47 What's the power of contact lens for patient Whose glasses is -10.0 at BVD 14 mm?**
- a- 8.75 D b- 9.50 D
c- 10.50 d- 11.75 D8
- 48 How percent of aqueous component of tears is produced by the Main lacrimal gland ?**
- a- Chlorine based b- Heat
c- Polyquard d- Hydrogen peroxide
- 49 The disinfection system least likely to produce an adverse reaction in the eye is**
- a- Chlorine based b- Heat
c- Polyquard d- Hydrogen peroxide
- 50 Decentration of a lens due to**
- a- too small b- too flat
c- poor fitting d- lens material

- 51 **The thickest layer of the cornea is :**
a- Epithelium b- Bowman's membrane
c- Stroma d- Endothelium
- 52 **Prosthetic Contact Lens is used for**
a- corneal scars b- corneal ulcers
c- aphakia d- presbyopia
- 53 **Which one is false about the base curve of a contact lens?**
a- refers to its posterior central curvature
b- measured in mm
c- measured with Maddox wing
d- depends on keratometry measurement
- 54 **Decreased corneal sensitivity is seen mainly with wearing of:**
a- RGP lenses
b- PMMA lenses
c- Low water content hydrogyl lenses
d- High water content hydrogyl lenses
- 55 **Long-term contact lens wear induces all the following except:**
a- Increased tear evaporation
b- Increased corneal light scatter
c- Stromal thinning
d- Changes in the bacterial flora of the conjunctiva
- 56 **Which one of the followings is an allergic reaction to contact lens wearing ?**
a- giant papillary conjunctivitis b- vascularisation
c- corneal abrasion d- bacterial ulcer
- 57 **To obtain accurate new refraction, contact lens should be removed before**
a- 1 hr b- 48 hr
c- 12 hr d- 1 week
- 58 **Patient with irregular astigmatism can be fitted with**
a- soft aspheric contact lens b- soft toric contact lenses
c- RGP contact lenses d- Silicon hydrogel lenses
- 59 **Regarding extended wear contact lenses which one is false?**
a- Most are made of silicone hydrogyl
b- Up to 30 days of continuous wear
c- Gas permeable lenses
d- Less incidence of eye infection
- 60 **You have a contact lens with the following numbers 8.9 /13.8 /-4.25, which one is true?**
a- the contact lens has a base curve of 8.9 mm
b- the contact lens has a base curve of 8.9 D
c- the contact lens has a diameter of 8.9 mm
d- the power of contact lens is 13.8 D

Strabismus

- 61. The primary action of superior oblique muscle is:**
- | | |
|---------------|--------------|
| a- depression | b- intorsion |
| c- abduction | d- adduction |
- 62. Binocular movements in which the two eyes move symmetrically in opposite directions are called:**
- | | |
|----------------|---------------|
| a- vergences | b- fusion |
| c- suppression | d- panum area |
- 63. Maddox rod is used to examine :**
- | | |
|-----------------|----------------|
| a- yoke muscles | b- tropia |
| c- phoria | d- herring law |
- 64. Synaptophore can assist all of the following except:**
- | | |
|--------------|----------------|
| a- squint | b- suppression |
| c- amblyopia | d- after image |
- 65. Regarding congenital esotropia which one is false ?**
- a- Associated with myopia
 - b- present within the first 6 month of birth
 - c- usually has large angle
 - d- common in mentally retarded infants
- 66. Congenital exotropia is present at :**
- | | |
|-----------|------------|
| a- birth | b- 6 month |
| c- 2 year | d- 5 year |
- 67. What is the meaning of “A” esotropia ?**
- | | |
|---------------------------------|------------------------------|
| a- increase in exo on down gaze | b- increase in eso on upgaze |
| c- increase in eso on down gaze | d- increase in exo on upgaze |
- 68. Total third nerve palsy is characterized by all of the followings except**
- | | |
|---------------------------|-----------------------------|
| a- lid lag | b- abduction of the globe |
| c- intorsion of the globe | d- limitation of depression |
- 69. Which of the followings is not physiological nystagmus ?**
- | | |
|--------------|----------------|
| a- end point | b- optokinetic |
| c- ataxic | d- vestibular |
- 70. Duane syndrome is congenital anomaly of?**
- | | |
|---------------------|--------------|
| a- abducens nucleus | b- III nerve |
| c- IV nerve | d- V nerve |
- 71. Causes of amblyopia include the following except :**
- | | |
|---------------|------------------|
| a- cataract | b- anisometropia |
| c- strabismus | d- myopia |
- 72. Occlusion is needed to treat :**
- | | |
|-------------------------|-------------------|
| a- congenital esotropia | b- amblyopia |
| c- “A” pattern | d- duane syndrome |
- 73. Inferior rectus is innervated by :**
- | | |
|--------------|-------------|
| a- V nerve | b- IV nerve |
| c- III nerve | d- VI nerve |

74. **The longest extraocular muscle is :**
a- medial rectus
b- sup rectus
c- inf oblique
d- sup oblique
75. **In dextroversion the two yoke muscles are the right lateral rectus and:**
a- the left medial rectus
b- the right medial rectus
c- the right inferior oblique
d- the left superior oblique
76. **The most common cause of IV nerve palsy is :**
a- diabetes
b- hypertension
c- trauma
d- atherosclerosis
77. **Pseudo-esotropia can be caused by the followings except:**
a- IV nerve palsy
b- Wide nasal bridge
c- Broad epicanthic olds
d- Close – set eyes
78. **Which of the following types of exodeviations is most common?**
a- pseudoexotropia
b- congenital exotropia
c- duane syndrome
d- intermitted exotropia
79. **The most common factor to develop amblyopia**
a- squint
b- myopia
c- cataract
d- ptosis
80. **the commonest refractive error causing strabismus is:**
a- myopia
b- hypermetropia
c- astigmatism
d- myopic astigmatism

Glasses preparation

81. **The following are true about the cylindrical lens except**
a- it has two meridian of curvature
b- it has no power along its axis
c- it can be used to measure phoria
d- it causes meridian magnification or minification at 90^0 to its axis
82. **The following prescription has oblique astigmatism:**
a- PL / -2.00X45
b- +1.25 / +1.00X175
c- 4.00 / -0.25X35
d- 5.00 / -1.00X130
83. **One of The followings is true about the spherical equivalent:**
a- it is located at the circle of least confusion of the conoid of Sturm
b- it is midway between the dioptric powers of the two cylindrical lenses that make up the astigmatic lens
c- it can be used to calculate if the eye is essentially emmetropic, hypermetropic or myopic
d- it is used to choose intraocular lens during biometry
84. **The following transpositions are correct: except one**
a- PL / -2.00 X 180 = -2.00 / +2.00 X 90
b- +2.00 / -0.50 X 60 = +2.50 / +0.50 X 150
c- 0.25 / -3.00 X 50 = -3.25 / +3.00 X 140
d- +7.00 / -2.00 X 78 = +5.00 / +2.00 X 168

85. The focimeter can measure all of the following except:
- a- back vertex power of the lens
 - b- prism
 - c- axis of the cylinder
 - d- refractive index of the lens
86. True statements about anti-reflective coatings include:
- a- the principle of destructive interference applies to anti-reflective coatings
 - b- the thickness of the coating is a quarter of the wavelength of the incident light
 - c- they cause the lenses to grow dark in bright light
 - d- they DO NOT absorb ultraviolet light
87. Photochromic lenses: all the following are true except
- a- usually have a more rapid darkening process than lightening process
 - b- give different tints according to the wavelengths
 - c- tend to become darkened with repeated use
 - d- tend to darken more rapidly if the environmental temperature is low
88. The image formed by a prism is: all true except
- a- erect
 - b- deviated towards the apex
 - c- magnified
 - d- virtual
89. Relative spectacle magnification: all true except
- a- is defined as the ratio of corrected image size to uncorrected image size
 - b- is 1.0 in axial ametropia if the correcting lens is placed at the anterior focal point
 - c- is 1.0 in index or refractive ametropia if the correcting lens is placed at the anterior focal point
 - d- is about 1.33 in aphakia corrected with spectacle
90. One of the following is true about chromatic aberration:
- a- it results from the fact that longer wavelength is deviated more than shorter wavelength
 - b- it does not occur with light of same wavelength
 - c- it results from the dispersive power of a material
 - d- it can be reduced by combining crown and flint glass
91. Best form lenses is used to reduce: one of the following
- a- chromatic aberration
 - b- spherical aberration
 - c- coma
 - d- glare
92. One of the following is true about image distortion through strong lenses:
- a- it is mainly the result of chromatic aberration
 - b- it is mainly spherical the result of aberration
 - c- pin-cushion distortion occurs with high minus lens
 - d- barrel distortion occurs with high plus lens

- 93. The following can be used to reduce prismatic jump in bifocal glasses except:**
- a- adding base down prism to the distance portion
 - b- adding base-up prism to the reading section
 - c- moving the optical centers of the lens near the junction of the two portions
 - d- using executive glasses
- 94. The interpupillary distance all the following are true except:**
- a- can be measured using the corneal reflex
 - b- can be measured by noting the distance between the nasal limbus of one eye and the temporal limbus of the other
 - c- used in making spectacle is 1 mm less than the anatomical interpupillary distance
 - d- for a patient with accommodative esotropia is the distance between the two corneal reflexes without spectacle correction
- 95. The image produced by a Galilean telescope is all true except:**
- a- laterally inverted
 - b- upright
 - c- at infinity
 - d- magnified
- 96. The vergence power of a lens is dependent on all the following except:**
- a- its dispersive power
 - b- vergence power of each surface
 - c- thickness of the lens
 - d- the wavelength of the light
- 97. The refractive index of CR39 is:**
- a- 1.523
 - b- 1.71
 - c- 1.65
 - d- 1.498
- 98. One of the following is not an advantage of the glass lenses:**
- a- resist scratching
 - b- heavy
 - c- have less thickness
 - d- not easily affected by environmental factors
- 99. Frames are used from all of the followings except:**
- a- gold
 - b- silver
 - c- stainless steel
 - d- optyl
- 100. The datum line is:**
- a- the width of the lens along the halfway line
 - b- the line drawn halfway between the two horizontal lines and parallel to them
 - c- the depth of the lens
 - d- the width of the lens

انتهت الأسئلة