

## PROVISIONAL ANSWER KEY

Question 64/2025/OL

Paper Code:

Category 124/2024

Code:

Exam: Assistant Professor in Ophthalmology

Date of Test 26-06-2025

Department Medical Education

Question1:-Which of the following is not a test for stereoacuity?

A:-Titmus fly test

B:-Frisby test

C:-Pelli-Robson test

D:-TNO

Correct Answer:- Option-C

Question2:-The image of an object formed by reflection at a plane surface is not

A:-erect

B:-virtual

C:-enlarged

D:-laterally inverted

Correct Answer:- Option-C

Question3:-Which of the following is true regarding the image formed by a prism?

A:-It is virtual and displaced towards apex

B:-It is real and displaced towards apex

C:-It is virtual and displaced towards base

D:-It is real and displaced towards base

Correct Answer:- Option-A

Question4:-During retinoscopy, when neutralisation is reached, Light reflex is :

A:-narrowest and slowest

B:-narrowest and brightest

C:-widest and slowest

D:-widest and fastest

Correct Answer:- Option-C

Question5:-A cycloplegic refraction is most helpful in which of the following cases?

A:-10 year old with headache

B:-19 year old who cannot see distant objects clearly

C:-44 year old with increased trouble reading

D:-65 year old with trouble driving at night

Correct Answer:- Option-A

Question6:-Anti reflective coating prevents reflection of light by which mechanism?

A:-Constructive interference

B:-Absorption of light photons

C:-Polarisation

D:-Destructive interference

Correct Answer:- Option-D

Question7:-Structures developed from surface ectoderm include all EXCEPT

A:-Lens

B:-Sclera

C:-Corneal epithelium

D:-Lacrimal glands

Correct Answer:- Option-B

Question8:-Bitemporal Hemianopia seen in Lesion at

A:-Optic Nerve

B:-Optic chiasma

C:-Optic tract

D:-Optic Radiation

Correct Answer:- Option-B

Question9:-Lens capsule is thinnest at the

A:-Anterior pole

B:-Posterior pole

C:-Equator

D:-Zonular region

Correct Answer:- Option-B

Question10:-Theories of colour vision include all EXCEPT

A:-Young-Helmholtz

B:-Trichromatic

C:-Opponent Process

D:-Isomorphism

Correct Answer:- Option-D

Question11:-b-wave in ERG arises from

A:-Ganglion cells

B:-Amacrine cells

C:-Horizontal cells

D:-Muller cells

Correct Answer:- Option-D

Question12:-High metabolic activity is seen in which layer of Cornea?

A:-Epithelium

B:-Endothelium

C:-Bowmans membrane

D:-Dua's layer

Correct Answer:- Option-B

Question13:-Identify the correct option

A:-In video keratoscope with large diameter placido target, loss of data does not occur due to influence by patient brow

B:-Specular reflection techniques does not depend on the integrity and normality of tear layer

C:-Interferometry based corneal topography is not on widespread use due to its clinical inaccuracy

D:-The natural specular condition of the anterior corneal surface is transform to a diffusing surface by instilling fluorescein in some topography techniques

Correct Answer:- Option-D

Question14:-Regarding confocal microscopy which is FALSE

A:-Scan need to be very well executed to visualise various layers

B:-It can clearly visualise descemets membrane

C:-The subepithelial nerve plexus is visible clearly

D:-Eyes with corneal opacity/edema can be successfully scanned

Correct Answer:- Option-B

Question15:-Factors responsible for poor penetration of topical medication to eye are

A:-tear film dilutes topically applied medicines

B:-low molecular weight drugs undergo systemic absorption from conjunctival capillaries

C:-1 and 2 are correct

D:-2 is incorrect

Correct Answer:- Option-C

Question16:-Regarding povidone iodine prophylaxis which is correct?

A:-Most microorganisms get killed in 60 seconds or less

B:-The effect is attributed to free iodine

C:-The antimicrobial effects last for 15 min

D:-It is not contraindicated in iodine allergy

Correct Answer:- Option-A

Question17:-In ROP screening and treatment which is FALSE?

A:-Digital photography by retcam has high degree of sensitivity and specificity for detecting referral warranted ROP

B:-Fluorescein Angiography is helpful in diagnosis and management of APROP

C:-FFA guided completion of ROP laser prevent sequelae like macular dragging

D:-UBM in ROP is useful in managing stage 3 ROP

Correct Answer:- Option-D

Question18:-Find the right option

A:-Partially stained/unstained bacilli in gram stain smear can be mycobacteria

B:-Thin branching beaded filaments in smear indicate nocardia species

C:-Kinyoun's modification of acid fast stain can identify nocardia

D:-All are correct

Correct Answer:- Option-D

Question19:-Find the right option:

i. Ophthalmic ultrasound penetrates beyond mid orbit.

ii. A scan given high internal reflectivity in solid tumours.

iii. B scan can definitely diagnose cavernous haemangioma, hydated cyst

iv. B scan signal brightness shows the strength of the echo.

A:-i and ii are correct

B:-iii and iv are correct

C:-i and ii are wrong

D:-only iii is correct

Correct Answer:- Option-B

Question20:-Functionally blind are those who

A:-Cannot perceive light

B:-Have no useful vision even with vision enhancement techniques

C:-Partially sighted who may benefit from low vision evaluation

D:-BCVA 6/60 in better eye

Correct Answer:- Option-B

Question21:-Which is a false statement?

A:-When critical angle is reached light ray does not bend and it follows a path parallel to the interface between the two media

B:-Light rays originating in the recess of the chamber angle exceed the initial angle of the cornea-air interface and are reflected internally

C:-Steeper radius of curvature of direct gonioscopy lens and fluid bridge between cornea and the lens helps in direct visualisation of angles

D:-In indirect gonioscopy lens, the light ray originating from the angle recess is reflected by a mirror

Correct Answer:- Option-A

Question22:-In the process of emmetropization

A:-Axial length increases by 5-6 mm

B:-Corneal power decreases by 10 D

C:-Lens power decreases by 10 D

D:-All are correct

Correct Answer:- Option-A

Question23:-Which corneal dystrophy is associated with systemic hyper lipoproteinemia?

A:-Macular corneal dystrophy

B:-Schnyder corneal dystrophy

C:-Lisch Epithelial corneal dystrophy

D:-All of the above

Correct Answer:- Option-B

Question24:-Following are causes of Poliosis except

A:-Sympathetic Ophthalmitis

B:-Marfan syndrome

C:-Waardenburg syndrome

D:-Acquired syphilis

Correct Answer:- Option-D

Question25:-Which of the following corneal Topography finding is not pathognomonic of Keratoconus?

A:-Skewing of the radial axes (SRAX)  $> 21^\circ$

B:-Increase in inferior-superior (I-S) ratio  $> 1.2$

C:-Bow tie asymmetry without skewing

D:-Increased overall steepening

Correct Answer:- Option-C

Question26:-Which is a 4th generation IOL formula?

A:-Barrett

B:-Ladas Super

C:-Holladay 1

D:-Binkhorst

Correct Answer:- Option-A

Question27:-Cadera clinical classification is for

A:-Ligneous conjunctivitis

B:-Phlyctenular Conjunctivitis

C:-Giant Papillary conjunctivitis

D:-Ophthalmia Nodosa

Correct Answer:- Option-D

Question28:-Which of the following solutions is more effective in irrigating the eye when a patient with chemical burns is brought to casualty?

A:-Tap water > Ringer Lactate > Balanced Salt Solution > Diphoterine

B:-Diphoterine > Ringer Lactate > Normal Saline > Balanced Salt Solution

C:-Diphoterine > Balanced Salt Solution > Ringer Lactate > Normal Saline

D:-Phosphate Buffer > Diphoterine > Balanced Salt Solution > Ringer Lactate

Correct Answer:- Option-C

Question29:-Which of the following statements regarding Normal tension Glaucoma is correct?

A:-Ocular perfusion pressure often relatively lower in NTG patients

B:-Acquired optic disc pit is common in NTG patients

C:-Field defects are deeper, steeper and close to fixation

D:-All of the above

Correct Answer:- Option-D

Question30:-Regarding Ectopia Lentis the following statements are correct except:

A:-Lens subluxation is inferior in Weil Marchesani Syndrome

B:-Lens zonules are frequently intact and accommodation is retained in Homocysteinuria

C:-Retaining of accommodation is often seen in Marfan Syndrome

D:-In Ectopia lentis et pupillae, the displacement of pupil and lens are in opposite direction

Correct Answer:- Option-B

Question31:-Which is incorrect regarding dysphotopsia?

A:-Dysphotopsia is more common after monofocal IOLS

B:-Positive nocturnal symptoms can be treated with Brimonidine eye drops

C:-Symptoms may improve over time

D:-Silicon IOLs are more prone to develop Dyschromatopsia than Acrylic

Correct Answer:- Option-D

Question32:-Which is the primary mechanism in the pathogenesis of age related nuclear cataract?

A:-Accumulation of advanced glycation end products causing lens protein aggregation

B:-Osmotic imbalance causing increased hydration and swelling of lens fibres

C:-Opacification of lens fibres with fibrous metaplasia

D:-Accumulation of pigmented molecules like 3 Hydroxy kynurenine

Correct Answer:- Option-A

Question33:-Cicatrical conjunctivitis associated with

- A:-Staphylococcal blepharitis
- B:-Systemic Penicillamine treatment
- C:-Timolol eye drops
- D:-All of the above

Correct Answer:- Option-D

Question34:-Kaye's dots are

- A:-Corneal stromal scarring seen in inactive interstitial keratitis
- B:-White infiltrates, seen in the corneal donor tissue close to loose suture
- C:-Ares of vascularization with stromal haze in graft rejection
- D:-Pigmented K P's seen in endothelial rejection

Correct Answer:- Option-B

Question35:-Causes of Equatorial Staphyloma are all of the following except

- A:-Chronic uncontrolled Glaucoma
- B:-Degenerative Myopia
- C:-Osteogenesis imperfecta
- D:-Scleritis

Correct Answer:- Option-C

Question36:-Pizza-pie retionopathy is characteristically seen in

- A:-Progressive outer retinal necrosis
- B:-CMV retinitis
- C:-Behcet's syndrome
- D:-Toxoplasma retinochoroiditis

Correct Answer:- Option-B

Question37:-Multiple Astrocytoma of the neural retina are most likely associated with

- A:-Tuberous sclerosis
- B:-Von Recklinghausen's disease
- C:-Sturge-Weber syndrome
- D:-Von Hippel - Lindau syndrome

Correct Answer:- Option-A

Question38:-Identify the INCORRECT answer concerning with Retinoblastoma.

- A:-The yearly incidence is highest in the third year of life
- B:-Metastatic spread is to lung, bone and brain
- C:-Associated with strabismus and secondary glaucoma
- D:-Majority of cases are sporadic (i.e. Non-heritable)

Correct Answer:- Option-A

Question39:-All of the following are typical clinical findings of choroidal nevi EXCEPT:

- A:-Most are < 5 mm in diameter
- B:-Most have irregular edges and a stippled surface
- C:-Most are < 1.0 u thick
- D:-Many show overlying drusen

Correct Answer:- Option-B

Question40:-Which of the following statement is INCORRECT about Morning-glory disk anomaly?

- A:-Contains a white tuft of glial tissue
- B:-Serous retinal detachment can develop
- C:-Neurofibromatosis type 2 is commonly associated
- D:-Associated with trans-sphenoidal encephalocele

Correct Answer:- Option-C

Question41:-Tobacco induced optic neuropathy can be seen with the deficiency of

- A:-Pyridoxine (Vitamin B6)
- B:-Cobalamin (Vitamin B12)
- C:-Riboflavin (Vitamin B2)
- D:-Thiamin (Vitamin B1)

Correct Answer:- Option-B

Question42:-Which condition is commonly found in association with vitreomacular traction syndrome?

- A:-Retinal pigment epithelial tear
- B:-Granulomatous inflammation
- C:-CNVM
- D:-Macular edema

Correct Answer:- Option-D

Question43:-What is the most common complication following vitreous liquefaction?

- A:-Retinal detachment
- B:-Macular hole
- C:-Posterior vitreous detachment (PVD)
- D:-Cataract

Correct Answer:- Option-C

Question44:-All the following statements concerning Eales' diseases are true EXCEPT?

- A:-Presentation is usually third to fifth decades



B:-It occurs mainly in female

C:-The condition usually shows periphlebitis and peripheral retinal capillary nonperfusion

D:-Associated with tuberculo-protein hypersensitivity

Correct Answer:- Option-B

Question45:-The Eye Disease Case-Control Study identified following abnormalities as risk factors for Branch Retinal Vein Occlusion (BRVO):

A:-Cardiovascular Disease

B:-Increased body mass index at age of 20 years

C:-History of glaucoma

D:-All

Correct Answer:- Option-D

Question46:-Telangiectasis in Coats disease more commonly occur in

A:-Inferior and Temporal Quadrant

B:-Superior and Nasal Quadrant

C:-Nasal Quadrant

D:-Superior Quadrant

Correct Answer:- Option-A

Question47:-A 62-year-old female came to ophthalmology OPD with chief complaint of sudden, severe loss of vision in right eye with periocular pain. She had complaint of Headache, scalp tenderness and jaw claudication. On ocular examination her Optic disc was pale with normal cup. The probable diagnosis is:

A:-Non-arteritic AION

B:-Arteritic AION

C:-Optic Neuritis

D:-Nutritional Optic Neuropathy

Correct Answer:- Option-B

Question48:-Vitreous opacities like Asteroid hyalosis are usually deposition of:

A:-Cholesterol Crystals

B:-Amyloid material

C:-Iron deposits

D:-Calcium containing lipid complex

Correct Answer:- Option-D

Question49:-The classical triad of Congenital glaucoma include:

A:-Epiphora, Blepharospasm and Photophobia

B:-Epiphora, Blepharospasm and Conjunctival Congestion

C:-Photophobia, Blepharospasm, Conjunctival Congestion

D:-Pain, Epiphora and Blepharospasm

Correct Answer:- Option-A

Question50:-The intracranial abnormality typically associated with Sturge-Weber Syndrome is

A:-Hydrocephalus

B:-Tuberous sclerosis

C:-Leptomeningeal angiomas

D:-Medulloblastoma

Correct Answer:- Option-C

Question51:-The Risk Factors for primary open-angle glaucoma include all EXCEPT

A:-Myopia

B:-Diabetes Mellitus

C:-Choroditis

D:-Age over 60 years

Correct Answer:- Option-C

Question52:-Which wavelength laser is typically used in Selective Laser Trabeculoplasty?

A:-1064 nm Nd: YAG laser

B:-532 nm frequency doubled Nd: YAG laser

C:-810 nm diode laser

D:-694 nm ruby laser

Correct Answer:- Option-B

Question53:-The following statement is TRUE regarding alkali burns in eye

A:-They denature and precipitate proteins, coagulating surface layer

B:-They cause saponification of cell membranes resulting damage to the tissue

C:-They penetrate less deeply than acid burns

D:-Immediate and thorough irrigation with the available clean water is contraindicated

Correct Answer:- Option-B

Question54:-The classic appearance of a choroidal rupture in cases of blunt ocular injury is

A:-Radial haemorrhages near the optic disc

B:-Serous detachment of the macula

C:-Pigmented lesion around the optic disc

D:-Linear or crescent-shaped white-yellow lesions concentric to the optic disc

Correct Answer:- Option-D

Question55:-Which of the following statements is true about the extraocular

muscles?

A:-The anterior fibres of inferior oblique insertion are responsible for elevation

B:-The posterior fibres of the superior oblique insertion are responsible for intorsion

C:-The width of insertion of medial rectus is 8.6 (7.0-12.0) mm

D:-Lateral Rectus muscles has the shortest muscle segment among the recti.

Correct Answer:- Option-D

Question56:-The antagonists in Levoelevation are

A:-RIO, LSR

B:-RSO, LIR

C:-RIR, LSO

D:-RSR, LIO

Correct Answer:- Option-B

Question57:-Cross fixation, inferior oblique overaction and asymmetry of optokinetic nystagmus are features of

A:-Nystagmus blockage syndrome

B:-Microtropia

C:-Essential infantile esotropia

D:-Cyclic esotropia

Correct Answer:- Option-C

Question58:-If the IPD is 5.5 cm, strabismus for near is 30 PD base out and for distance is 25 PD base out, the AC/A ratio is

A:-7.1 prism per dioptre

B:-6.2 prism per dioptre

C:-7.6 prism per dioptre

D:-5.7 prism per dioptre

Correct Answer:- Option-A

Question59:-Pseudoesotropia is seen in all EXCEPT

A:-euryblepharon

B:-hyperteleorism

C:-telecanthus

D:-epicanthus

Correct Answer:- Option-B

Question60:-Which of the following statements regarding Calhoun's phases of exotropia is true?

A:-Phase IV - exotropia at distance as well as near with lack of binocularity

B:-Phase III - exotropia at distance, intermittent exotropia for near, binocularity for near

C:-Phase II - intermittent exotropia for distance, orthophoria or exophoria at near with suppression scotoma for distance

D:-Phase I - exophoria at distance, orthophoria at near asymptomatic

Correct Answer:- Option-C

Question61:-Ocular torticollis can be measured with

A:-Synoptophore

B:-Cheiroscope

C:-Pigeon cantonnet stereoscope

D:-Cephalodeviometer

Correct Answer:- Option-D

Question62:-The diagnostic test for dissociated vertical deviation is

A:-Spielmann's translucent occluder

B:-Beilschowsky's graded density filter test

C:-Red filter test

D:-All of the above

Correct Answer:- Option-D

Question63:-Fasanella Servat surgery is indicated in

A:-Traumatic ptosis

B:-Congenital ptosis

C:-Myogenic ptosis

D:-Neurogenic ptosis

Correct Answer:- Option-D

Question64:-paralysis of 3rd, 4th, 6th nerve and ophthalmic division of 5th cranial nerve localises the lesion to

A:-orbital apex

B:-superior orbital fissure

C:-cavernous sinus

D:-inferior orbital fissure

Correct Answer:- Option-C

Question65:-A patient presents with unilateral proptosis which is compressible and increases on bending forwards. There is no thrill or bruit. MRI shows retrobulbar mass with enhancement. The likely diagnosis is

A:-Orbital lymphangioma

B:-Orbital varix

C:-Orbital encephalocoele

D:-Orbital AV malformation

Correct Answer:- Option-B

Question66:-Optic nerve glioma is associated with

A:-Neurofibromatosis I

B:-Neurofibromatosis II

C:-Von Hippel Lindau disease

D:-Sturge Weber syndrome

Correct Answer:- Option-A

Question67:-Assertion : Sebaceous cell carcinoma is the most common malignancy associated with recurrent chalazion.

Reason : Lipogranulomatous changes occur in chalazion

A:-Both statements are correct and reason is the correct explanation

B:-Both statements are correct but reason is not the correct explanation

C:-Assertion incorrect; reason correct

D:-Assertion correct; reason incorrect

Correct Answer:- Option-B

Question68:-How many of the following statements are correct?

1. Medial orbital wall fracture is called blow in fracture.
2. Diplopia on horizontal gaze is diagnostic of blow out fracture.
3. Tear drop sign in CT scan is suggestive of fracture involving the posteromedial part of the orbital floor.
4. Mydriasis is observed in blow out fracture

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-B

Question69:-Which of the following is/are correct about posterior segment involvement in systemic Coagulopathy Syndromes?

- i. Ischemia and hemorrhages are the primary result of these disorders.
- ii. Retinal vascular occlusion develops due to secondary cause(s).
- iii. Vitreous, intraetinal, subretinal and choroidal hemorrhages are common findings.
- iv. Choroidal ischemia is a hallmark of systemic Coagulopathy Syndromes.

A:-Only i and ii

B:-Only ii and iii

C:-Only i, ii and iii

D:-Only i, ii and iv

Correct Answer:- Option-D

Question70:-Which of the following diseases can develop Retinal Arteriolar Macroaneurysms (RAM)?

- i. Diabetes and hypertension
- ii. Rheumatoid arthritis
- iii. Leukemia
- iv. Terson's syndrome

A:-Only i

B:-Only i and iii

C:-Only i, ii and iii

D:-All of the above i, ii, iii, iv

Correct Answer:- Option-C

Question71:-Which of the following is/are true about leukemia?

- i. Leukemia infiltrates can involve the retina, optic nerve, vitreous and choroid.
- ii. White - centered retinal hemorrhages always represents leukemia infiltration at the centre.
- iii. Peripheral retinal microaneurysms are a feature of chronic leukemias, rather than acute leukemias.
- iv. Presence of macular hemorrhage in these patients increases a five fold relative risk of developing intracranial hemorrhage, as compared to those with nonmacular hemorrhages.

A:-Only i

B:-Only i and ii

C:-Only i, iii and iv

D:-Only ii and iii

Correct Answer:- Option-C

Question72:-Which of the following is/are true about Horner's syndrome?

- i. Small pupil, mild ptosis of upper lid (<2mm) and anhidrosis form the triad
- ii. There is ipsilateral ptosis of both upper and lower lids.
- iii. There is low intraocular pressure in the ipsilateral eye.
- iv. Apraclonidine test may be negative in early cases.

A:-Only i and iv

B:-Only i and iii

C:-Only i, iii and iv

D:-All of the above (i, ii, iii and iv)

Correct Answer:- Option-D

Question73:-Which of the following is/are correct about Ocular Myasthenia Gravis (OMG)?

- i. Cogan's lid twitch test is a highly sensitive (95%) and specific test (85%).
- ii. Ice pack test is highly sensitive and specific test, especially for ptosis (unilateral or bilateral), than extrocular involvement.
- iii. Lid retraction is extremely common in OMG.

A:-Only i

B:-Only ii

C:-Only i and ii

D:-Only i and iii

Correct Answer:- Option-B

Question74:-The 2016 American Academy of Ophthalmology Guidelines for chloroquine and hydroxychloroquine toxicity screening recommend the following :

i. Baseline fundus examination and ancillary test within one year of initiation of therapy.

ii. Annual screening is often recommended after 5 years of therapy.

iii. Ancillary testing including SD-OCT and automated Humphrey visual field (HVF) of 10 to 2 is appropriate for Asian patients.

A:-Only i and ii

B:-Only ii and iii

C:-Only i and iii

D:-All of the above i, ii and iii

Correct Answer:- Option-A

Question75:-Which of the following drugs can cause Vortex Keratopathy?

i. Tamoxifen

ii. Chloroquine and hydroxychloroquine

iii. Amiodarone

iv. Ibuprofen

A:-Only i and iii

B:-Only i and iv

C:-Only i, iii and iv

D:-All of the above i, ii, iii and iv

Correct Answer:- Option-D

Question76:-The following is/are true about diabetic retinopathy:

i. About one-third of people with diabetes mellitus (DM) globally are affected with diabetic retinopathy (DR).

ii. The risk of DR increases to about 75% after 15 years of DM diagnosis.

iii. Duration of DM and genetic factors are major risk factors for development and progression of DR.

iv. The most recommended target level of HbA 1c is 6% for prevention of DR progression

A:-All of the above i, ii, iii, iv

B:-Only i and ii

C:-Only i, iii and iv

D:-Only ii and iii

Correct Answer:- Option-B

Question77:-Which of the following is/are correct about National Program for Control of Blindness and Visual Impairment (NPCBVI)?

i. It was launched in 1976 as a 50% centrally sponsored scheme.

ii. The goal of the program was to reduce the prevalence of blindness from 1.4% to 0%.

iii. As per the guidelines for Eye surgeons given on NPCBVI website, the phaco needles for every five cases and sleeves and irrigation/aspiration (I/A) handpieces for every one case should be sterilized for phacoemulsification.

A:-Only i and ii

B:-Only ii and iii

C:-Only iii

D:-All of above (i, ii, iii)

Correct Answer:- Option-C

Question78:-Which of the following is/are true about genetic ocular disorders?

- i. Granular and Reis-Buckler dystrophies are associated with TGFB1 gene.
- ii. Peters anomaly, Juvenile Glaucoma and aniridia are associated with PAX6 gene.
- iii. Both CYP1B1 and LTBP2 are associated with congenital glaucoma.
- iv. Familial cases of congenital cataracts comprise atleast one-third of all.

A:-Only i and iii

B:-Only ii and iii

C:-Only, i, ii and iii

D:-Only i, iii and iv

Correct Answer:- Option-D

Question79:-Which of the following is/are true about Gyrate Atrophy of Retina and Choroid?

- i. Poor night vision, high myopia.
- ii. Hyperornithinemia and peripheral scalloped, well demarcated chorioretinal atrophy?
- iii. Autosomal Dominant Inheritance
- iv. The OAT (ornithine-delta-aminotransferase) enzyme is linked to chromosome 10.

A:-Only i and ii

B:-Only i, ii and iii

C:-Only i, ii and iv

D:-All i, ii, iii and iv

Correct Answer:- Option-C

Question80:-Which of the following is/are correct as per the Standards of EYE BANKING in India 2020?

Among the 3-tier structure [Eye Bank Training Centers (EBTCs), Eye Banks (EB) and Eye Retrieval Centers (ERCs)] of the Eye banking system, the following personnel are needed at all 3 levels:

- i. Medical Director
- ii. Eye Bank Technician
- iii. Eye Donation Counsellor
- iv. Eye Bank Manager

A:-Only i and ii

B:-Only ii and iii

C:-Only iii and iv



D:-All of the above i, ii, iii, iv

Correct Answer:- Option-B

Question81:-Which of the following is/are true about Eye Donation?

- i. Eye Donation fortnight is observed from 26th August to 8th September.
- ii. Partners of Eye Bank Association of India include Orbis, Sightsavers, Care Group and Allergan India Limited.
- iii. The first Eye Bank was started in Regional Institute of Ophthalmology, Chennai, in 1945.

A:-Only i

B:-Only ii

C:-Only ii and iii

D:-All of the above i, ii and iii

Correct Answer:- Option-A

Question82:-Which of the following is/are true, as per All India Ophthalmological Society (AIOS) Task Force Guideliness to prevent intraocular infection after cataract surgery?

- i. 'Cluster endophthalmitis' refers to infection in two or more cases operated on same day in same operating theater (OT).
- ii. For mass surgeries, the upper limit of the number of surgeries that can be operated by a single surgeon within a session of 4 hours is 25.
- iii. In case of cluster infection outbreak, there are 4 levels of 'alerts' (green, amber, yellow, red).

A:-Only i

B:-Only ii

C:-Only i and ii

D:-All of above i, ii and iii

Correct Answer:- Option-C

Question83:-What is the power of Abrahmas laser iridotomy lens?

A:-44 D

B:-60 D

C:-66 D

D:-77 D

Correct Answer:- Option-C

Question84:-Mechanism of action of excimer laser is

A:-Photocoagulation

B:-Photodisruption

C:-Photoablation

D:-Photovapourization

Correct Answer:- Option-C

Question85:-The main trunk of Facial nerve is blocked by

A:-Van Lint block

B:-Nadbath - Rehman block

C:-Atkinson block

D:-O'Brien block

Correct Answer:- Option-B

Question86:-Out of the following which anaesthetic agent cause rise in intraocular pressure?

A:-Ketamine

B:-Nitrous oxide

C:-Sevoflurane

D:-Isoflurane

Correct Answer:- Option-A

Question87:-Average duration of retention of C3F8 in eye after intravitreal injection

A:-4 days

B:-12 days

C:-20 days

D:-38 days

Correct Answer:- Option-D

Question88:-Suture material of choice for penetrating keratoplasty is

A:-Prolene

B:-Nylon

C:-Mersilene

D:-Vicryl

Correct Answer:- Option-B

Question89:-Wavelength of femtosecond laser used for FLACS is

A:-532 nm

B:-1064 nm

C:-350 nm

D:-1053 nm

Correct Answer:- Option-D

Question90:-Which of the following tissues can be used for posterior lamellar reconstruction of eyelid?

A:-Tarsal plate

B:-Buccal mucosa

C:-Hard palate

D:-All the above

Correct Answer:- Option-D

Question91:-Pre tarsal show is the

- A:-Distance between lid margin and skin fold
- B:-Distance between lid margin and lid crease
- C:-Distance between lid margin and limbus
- D:-Distance between upper and lower lid margins

Correct Answer:- Option-A

Question92:-What is false about Aspiration flow rate (AFR) in phacoemulsification?

- A:-It refers to volume of fluid removed from eye per minute
- B:-For increasing AFR, elevate the irrigation bottle
- C:-High AFR results in dispersion of lens material away from phaco tip
- D:-High AFR results in faster vacuum build up

Correct Answer:- Option-C

Question93:-Posterior capsular opacification is more common with

- A:-Silicone IOLs
- B:-Hydrophilic IOLs
- C:-Hydrophobic IOLs
- D:-Rigid IOLs

Correct Answer:- Option-D

Question94:-Which of the following statements is/are correct about IOL power calculation?

- i. For short eyes Hoffer Q formula is recommended
- ii. Immersion techniques are superior.
- iii. Soft Contact lens wearers need not discontinue them before axial length measurement.
- iv. Optical biometers use the principal of light interferometry.

- A:-All are correct
- B:-Only ii and iv are correct
- C:-Only i is wrong
- D:-i, ii and iv are correct

Correct Answer:- Option-D

Question95:-The effectiveness of Selective Laser Trabeculoplasty in managing Glaucoma was studied in which landmark trial?

- A:-ZAP trial
- B:-LIGHT trial
- C:-EAGLE study
- D:-EMGT

Correct Answer:- Option-B

Question96:-What is not a MIGS procedure?

A:-iStent

B:-Kahook blade

C:-Trabectome

D:-Visco canalostomy

Correct Answer:- Option-D

Question97:-Probable signs of poor drainage in trabeculectomy include all except

A:-Diffuse shallow bleb

B:-Vascularised bleb

C:-Flat bleb

D:-Encapsulated bleb

Correct Answer:- Option-A

Question98:-Properties of silicone oil include

A:-Heavier than water

B:-Surface tension is lesser than gas

C:-Suitable for inferior retinal tears

D:-Produces hypermetropia post injection

Correct Answer:- Option-B

Question99:-Who discovered 23 gauge vitrectomy?

A:-Machemer

B:-Kasner

C:-Schepens

D:-Eckardt

Correct Answer:- Option-D

Question100:-Which visualising system in vitreoretinal surgery does not require an image inverter mounted in the operating microscope?

A:-BIOM

B:-EIBOS

C:-Wide field contact lenses

D:-OFFISS

Correct Answer:- Option-B