BIOLOGY

NEET & AIIMS

MOCK TEST 15 ZOOLOGY

Example

1. Match the columns and the correct answer

Column 1 Receptor a.Staroreceptor

b.Caloreceptor c.Phonordceptor

d.Proprioreceptor Column 2 Examples 1.organ of Corti 2.cristae and maculae in internal ear 3.Ruffinis organs in skin 4.Golgi Mazzoni organ

A. a2 b3 c1 d4

B. a1 b3 c2 d4

C. a1 b2 c3 d4

D. a3 b2 c 1 d4

Answer: A

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2. End bulbs of Krause in skin belong to the category of

A. Chemoreceptors

B. photoreceptor

C. Frigidoreceptors

D. Nociceptors

Answer: C

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3. Choose the incorrect match between receptors their functions and examples

A. Receptor 1.Mechanoreceptors Function Detect mechanical stimuli Examples Meissner's corpuscles, Pacinian corpuscles

B. Photoreceptors Function Detect visual stimuli Example Retina ommatidia

C. Thermoreceptors Detect temperature changes Example end bulb of Krause Ruffinis organ in skin

D. Chemoreceptors Function Detect chemical stimuli Example Nerve endings Neuromost organs

Answer: D

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4. State the incorrect statement

A. Thalamus acts as gatekeeper of cerebral cortex and all sensory impulses pass through thalamus in order to be sensed consciously

B. Decoding of information related to touch pain heat and cold occurs in parietal lobe

C. Skin is often called called hyperthermic because it has more heat receptors

D. Basal cells

Answer: C

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5. Which of the following structure gives rise to olfactory receptor cells when they are worn out?

A. Bowman's gland

B. Mitral cells

C. Glomerulus

D.

Answer: C

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6. Nerve fibres from olfactory receptor transmit their impulses to A while impulses from gustatory receptors are transmitted to B

of cerebrum.Choose the option which gives the correct answer for A and B

A. A Temporal lobe B Parietal lobe

B. Parietal lobe A Temporal lobe

C. A Frontal lobe B occipital lobe

D. A occipital lobe B Temporal lobe

Answer: D

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7. Choose the correct order of the three layers of human eye from inner layer to outer side

A. 1.ScleragtChoroidgtRetina

B. Retinagtscleragtchoroid

C. Retinagtchoroidgtsclera

D. ChoroidgtRetinagtsclera

Answer: C

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8. Find the incorrect match

A. cornea acts as refracting structure of eye

B. Choroid prevents internal reflection of light rays within eye

C. Lens regulates the amount of light entering the eye

D. Suspensory ligaments attach the lens to ciliary bodies

Answer: C

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9. Following changes occur when we try to look at a distant object except

A. 1.Suspensory ligaments are streched

B. lens becomes more curved

C. lens becomes thin and it's radius of curvature increases

D. cilliary muscles are relaxed

Answer: C

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10. while comping out from a dark room into bright light we are not able to see for some time. This occurs due to

A. complete bleaching of pigments of bipolar cells

B. deformation of lens proteins

C. Time taken in dilation of pupil

D. Time taken for light adaption

Answer: B

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11. Select the correct statement

A. Albinos lack melanin pigment in all parts of the body except eye

B. Ora serrata is the point where choroid fuses with cilliary body

C. Opsin protein is continuously being manufactured in the eye by oxidation of vitamin A

D. The relationship of photoreceptor cells to bipolar cells to gangilon cells is 1:1:1 within the fovea

Answer: D

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12. Various steps involved in mechanism of vision are given below in the form of a flow chart light>photoreceptor cells>A>generate potential difference in photoreceptor cells>B>C>visual cortex in brain CHOOSE THE OPTION WHICH GIVES THE ANSWER FOR A B and C

A. A 1Formation of photopigment Ganglion cell Bipolar cells

B. Dissociation of photopigment Bipolar cells Ganglion cells

C. Formation of photopigment Bipolar cells Ganglion cells photomigments

D. Dissociation of photopigment Ganglion cells Bipolar cells

Answer: D

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13. Which of the following disorders is caused due to shortening of eyeball in anteroposterior axis and can be corrected using convex lens?

A. Myopia

B. Glaucoma

C. Astigmatism

D. Hypermetropia

Answer: B

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14. Select the incorrect match between the given structures and their locations.

A. Glands of Moll edges of eyelids

B. Glands of Zeis Follicles of eye lashes

C. Meibomian glands edges of eyelids

D. Bowman's glands upper eyelids

Answer: D

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15. Pink eye is caused due to

A. Blockage of canal of Schlemn

B. Damage to retina

C. Inflammation of conjunctiva

D. Opaqueness of lens

Answer: D

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16. Sudoriferous glands present in external auditory meatus are

A. Meibomian glands

B. Glands of Zeis

C. Glands of Moll

D. Ceruminous glands

Answer: D

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17. Among the three ear ossicles. A receives the sound vibration from tympanum while B passes them to fenestra ovalis

A. A stirrup B Malleus

B. A Anvil B Stapes

C. A Malleus B Anvil

D. A Malleus B stapes

Answer: C

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18. Read the following statements

STATEMENT A: Middle ear, which is filled with endolymph contains three ossicles which increases the amplitude of sound.

Statement B :Eustachian tube helps in equalising the pressure on either side of ear drum

A. Both statements are correct

B. only statement A is correct

C. only statement B is correct

D. both statements are correct

Answer: D

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19. All of these are true w r t organ of Corti except

A. located on Reissner's membrane

B. pressing of steroreocillia against tectonical membrane generates nerve impulses

C. impulses are carried to brain by cochlear branch of auditory nerve

D. it does not have any role in balancing

Answer: D

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20. Match the column I with column II and choose the correct answer column I

a.crista ampullaris

b.Macula

c.Helicotrema

d.Fenesta rotundus column I I

1.Connection between scala vestibuli and scala tympani

2.Dynamic balance of body

4.Static balance of body

A. a3 b4 ci dii

B. a4 b3 c1 d2

C. a4 b3 c2 d1

D. a3 b4 c2 d1

Answer: C

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21. Read the following statements:

A.scala media is also known as cochlear duct

B.Scala vestibuli and scala media contain endolymph and perilymph respectively

C.Enlarged bases of semicircular canals contain projecting ridges called cristae ampullaris

D.Saccule and utricle are parts of otolith organ

A. FTTT

B. TFFF

C. FTTF

D. TTTT

Answer: A

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22. Read the following statement

Statement A: Neural impulses generated in response to sound are received by the brain from ears.

Statement B: Neural impulses for equilibrium are by the brain from ears as well as receptor present in the muscles, tendons, joints, skin and eyes

A. Both statement are correct

B. Both statement are incorrect

C. only statement A is incorrect

D. only statement B is correct

Answer: A

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