

PNS

FINAL EXAM - Serotonin batch

إعداد :



1) Which of the following regarding Crista ampullaris is WRONG?

Select one:

- a. Sensory organ of rotation
- b. Contains type I and type II sensory hair cells
- c. The hair cells have several kinocilia of graded height XXX
- d. Is bathed in endolymph
- e. Its Cupula devoid of calcium carbonate

2) _____ is considered of the few types of neurons that can be renewed during adult life?

Select one:

- a. Photoreceptor cells
- b. Olfactory receptor cells
- c. Rods and cones
- d. Basal cells XXX
- e. Bipolar cells

3) All of the following are true about local anaesthetics (LA) EXCEPT?

Select one:

- a. Prevent Initiation and propagation of action potential
- b. Affect sensory and motor fibers
- c. Bupivacaine is well absorbed from mucous membranes. XXX
- d. LA cause dilatation of blood vessels
- e. Lidocaine half-life is 1.5 hours

4) Inner layer of eyeball: Select the inappropriate statement?

Select one:

- a. The nonvisual retina is an anterior continuation of the pigmented layer
- b. The optic part of the retina is sensitive to visual light rays
- c. The optic disc is insensitive to light
- d. The macula of the retina is just medial to the optic disc by ophthalmoscopy. XXX
- e. The macula lutea is specialized for acuity of vision



5) In case of hypertension associated with pregnancy, labetalol is used as alternative to the following drug?

Select one:

- a. Carvedilol.
- b. Timolol.
- c. Satolol.
- d. Nebivolol.
- e. Methyl Dopa.

6) Astrocytes are specialized glial cells that exercise many essential complex functions in the central nervous system. One of the following is INCORRECT about astrocytes function?

Select one:

- a. They are responsible for repair and scar formation in CNS.
- b. They undergo hypertrophy and hyperplasia after injury.
- c. Rosenthal fibers seen in astrocytic processes in chronic gliosis.
- d. Long-standing gliosis creates fibrillar'y astrocytes. www.thundershare.net
- e. Gemistocytic astrocytes are neoplastic astrocytes. XXX

7) About nerves of the orbit which one is WRONG?

Select one:

- a. Trochlear nerve supplies the superior oblique muscle
- b. Nasociliary nerve arises from the ophthalmic division CN V
- c. Lacrimal nerve enters the orbit through the upper part of the superior orbital fissure
- d. Frontal nerve divides into the supratrochlear and supraorbital nerves
- e. Abducent nerve enters the orbit through the upper part of the superior orbital fissure XXX

8) 35-year-old male who sustained a road traffic accident suffers a deep laceration in the forearm, physical examination revealed loss of sensation over the lateral palm. Which of the following pathologic changes will most likely result distally in the forearm structure that was injured to produce his physical finding? Select one:

- a. Segmental demyelination.
- b. Wallerian degeneration. XXX
- c. Coagulative necrosis.
- b. Onion bulbs.
- e. Chronic immune mediated inflammation.

9) The following are contra-indications for use of anti-muscarinic drugs EXCEPT?

Select one:

- a. Pyloric stenosis complicating peptic ulcer
- b. Reflux esophagitis
- c. Benign prostatic hypertrophy in elderly
- d. Chronic open-angle glaucoma
- e. Motion sickness XXX

10) Which description is TRUE of Cone cells but not of Rod cells? (DR.ARWA)

Select one:

- a. Contain flattened vesicles that are independent of plasma membrane
- b. Are highly responsive for low intensity light
- c. Comprise approximately 95 % of the retina's photoreceptor cells
- d. Contain the visual pigment rhodopsin
- e. Are the cell type found in the fovea centralis XXX

11) Which of the following is NOT CONSISTENT with head rotation test? (dr.arwa)

Select one:

- a. Vestibulo ocular reflex
- b. Horizontal pathways
- c. Vertical pathways
- d. Supra nuclear pathways
- e. Tell us if everything below the cortex is intact or not

12) Regarding MLF syndrome which of the following is NOT CORRECT?

Select one:

- a. Commonly occurs in multiple sclerosis
- b. Adducting eye unable to move medially past midline
- c. Abducting eye; monocular horizontal nystagmus
- d. Damage to Paramedian pontine reticular formation and medial longitudinal fasciculus XXX
- e. Abducting eye followed by saccade

13) The following process is caused by activation of the parasympathetic nerve fibers _____?

Select one:

- a. micturition XXX
- b. Sweating.
- c. Ejaculation of semen.
- d. Exophthalmos.
- e. Increased heart rate.

14) The incus of the middle ear arises from ?

Select one:

- a. The second pharyngeal arch
- b. The maxillary process XXX
- c. The third pharyngeal arch
- d. The mandibular process
- e. The fourth pharyngeal arch

15) Regarding the physiology of the hearing which of the following is NOT CORRECT? (DR.ARWA)

- a. Sound is produced as series of alternating compressions and rarefactions of the surrounding air
- b. The frequency of the peaks per a time determines the pitch
- c. The maximum changes in air pressure determines the amplitude of the wave
- d. The distance between the wave peaks is much larger than the most object we deal with so sound waves can go around most objects
- e. Human ear is sensitive from 10-10000HZ

16) One of the following pairs between the disease and anatomic region primarily affected by the disease is WRONGLY matched?

- a. Huntington Disease //// Caudate nucleus.
- b. Alzheimer Disease //// Frontal and temporal lobes.
- c. Amyotrophic Lateral Sclerosis //// Betz cells.
- d. Chronic inflammatory demyelinating polyradiculopathy /// Peripheral nerves.
- e. Parkinson Disease //// Striatal neurons XXX

17) The iris _____ ?

- a. Have parasympathetically stimulated radially arranged muscles
- b. Receive postganglionic parasympathetic fibers through the short ciliary nerves XXX
- c. Receive postganglionic parasympathetic fibers through the long ciliary nerves
- d. Have sympathetically stimulated circularly arranged muscles
- e. Lies on the posterior surface of the lens

18) In belladonna poisoning, the following occur EXCEPT? مش معنا

- a. Heart failure
- b. Retention of urine
- c. Hyperthermia with dry red skin
- d. Excitement
- e. Intraventricular conduction defects

19) One of the following is not among the reversible causes of dementia?

- a. Creutzfeldt—Jakob disease. XXX
- b. Endocrine disorders.
- c. Emotional disturbances.
- d. Alcohol intoxication.
- e. Drug toxicity.

20) Bony labyrinth have the followings EXCEPT?

- a. The semicircular canals
- b. The fenestra cochleae XXX
- c. The saccule
- d. The vestibule
- e. The cochlea

21) The rate of conduction of action potentials along a nerve will be increased by ?

- a. Hypoxia.
- b. Local anesthetic.
- c. Mechanical pressure on the nerve fiber.
- d. Decreasing the diameter of the nerve
- e. Increased thickness of nerve fiber. XXX

22) Which of the following bone not share in the formation of Pterion?

- a. Parietal
- b. Greater wing of the sphenoid
- c. Frontal
- d. Squamous part of the temporal bone
- e. occipital XXX

23) All are true about poliovirus, EXCEPT?

- a. Type I is responsible for most epidemics.
- b. It is transmitted by feco-oral route.
- c. Type I responsible for vaccine paralytic poliomyelitis. XXX
- d. Asymptomatic infections are common in children.
- e. No permanent carrier in poliovirus infection.

24) The following are tertiary amines EXCEPT?

- a. Nicotine
- b. Edrophonium XXX
- c. Benztropine
- d. Pilocarpine
- e. Donepezil

25) The followings found in the Anterior Cranial Fossa EXCEPT?

- a. The incisive foramen
- b. Frontal crest
- c. The crista galli
- d. The falx cerebri
- e. The olfactory bulbs

26) The mandibular nerve supplies the following sensory areas of the face EXCEPT?

- a. Part of the auricle
- b. The temporal region
- c. Lower part of the face
- d. The skin of the lower lip
- e. The angle of the mandible XXX

27) Mycobacterium leprae, one is TRUE?

- a. Gram positive bacteria
- b. Acid fast bacilli XXX
- c. Gram negative bacteria
- d. Extracellular bacteria
- e. Causes beta hemolysis on blood agar

28) Stimulation of vagal nerves causes _____ ?

- a. An increase in heart rate.
- b. Stimulation of intestinal peristalsis.
- c. Vasodilatation of salivary glands.
- d. Contraction of the splenic capsule
- e. Bronchoconstriction. XXX

29) Which of the followings is wrong regarding the facial nerve injury?

- a. Can lead to loss autonomic functions
- b. Is common with fracture of the temporal bone
- c. In a lower motor neuron lesion only the muscles of the lower part of the face will be paralyzed XX
- d. Bell's palsy is a temporary facial paralysis
- e. The branches of CN VII are subject to injury

30) Which one of the following is FALSE?

- a. true ChE is present at cholinergic synapses at neuro-effector junctions
- b. Ach. is quickly hydrolyzed by true ChE in about 100 micro sec
- c. Succinylcholine is quickly hydrolyzed by pseudo-ChE at NMJ
- d. Effect of d-tubocurarine at NMJ can be reversed by neostigmine
- e. Pralidoxime can reactivate ChE at NMJ if given early in poisoning with organophosphate insecticides XXX

31) The glossopharyngeal nerve have the followings EXCEPT?

- a. Innervation of the parotid gland
- b. It passes laterally in the posterior cranial fossa
- c. It is a motor and sensory nerve
- d. Give motor supply to the palatoglossus muscle XXX
- e. Somatic sensory to the carotid sinus and the carotid body

32) The followings are motor branches of facial nerve EXCEPT?

- a. Zygomatic nerve
- b. Greater petrosal nerve XXX
- c. Nerve to the stapedius
- d. Cervical nerve
- e. Marginal mandibular

33) Sensory nerve supply of the scalp include the following EXCEPT?

- a. The auriculotemporal nerve
- b. The supraorbital nerve
- c. The lesser occipital nerve
- d. The greater occipital nerve
- e. The zygomaticofacial nerve XXX

34) The mechanism of transmission of Variant; Creutzfeldt-Jakob disease CJD (vCJD) is ?

- a. Alteration of normal prior protein (PrP) to rogue form due to somatic mutation.
- b. Eating contaminated cattle products.
- c. Mutation in germline PrP gene.
- d. Contaminated neurosurgical instruments.
- e. Eating infected meat through ritualistic cannibalism. XXX

35) Which of the following cells in the inner ear are involved in detecting movements of the head?

- a. Hair cells in Maculae XXX
- b. Outer pillar cells
- c. Inner pillar cells
- d. Cells of Hensen
- e. Hair cells in organ of Corti

36) Alcoholic 50 years old man who is hypertensive works as a manhole (sewage job) presented with encephalitis, laboratory grew gram positive bacteria that is motile at room temperature (tumbling); the treatment of choice is ?

- a. Ampicillin and gentamicin XXX
- b. Metronidazole
- c. Dapsone
- d. Rifampicin and dapsone
- e. Clofazamine and rifampicin

37) The palatine tonsils arise from _____ ?

- a. The first pharyngeal arch
- b. The first pouch
- c. The first cleft
- d. The second pouch XXX
- e. The third pharyngeal arch

38) Ophthalmic nerve and its branches. Select the most appropriate of the followings?

- a. Ophthalmic nerve is both motor and sensory
- b. Ophthalmic nerve enter the orbital cavity through the inferior orbital fissure
- c. The supraorbital and supratrochlear nerves from the lacrimal branch
- d. The nasociliary nerve gives infratrochlear nerve XXX
- e. The Lacrimal nerve joined by the zygomaticofacial nerve

39) Regarding neurophysiology of the taste which of the following matched pairs are NOT CORRECT?

- a. Anterior 2/3 of the tongue- Chorda tympani
- b. Posterior 1/3 of the tongue- Glossopharyngeal nerve
- c. Posterior most- Vagus nerve
- d. Trigeminal nerve- Submandibular salivary gland XXX
- e. Gustatory cortex- Insula

40) Regarding selective BETA 2 agonists, which statement is WRONG?

- a. Salbutamol is a short acting bronchodilator
- b. Salmeterol is a long action bronchodilator
- c. Salbutamol is used in acute asthmatic attacks
- d. Salmeterol is useful in acute asthmatic attacks XXX
- e. Salmeterol is used in prophylaxis of asthmatic attacks

41) True about Zika virus and dengue fever EXCEPT?

- a. Zika virus can be transmitted by sexual route.
- b. Dengue fever Presents with fever and joint pain.
- c. Dengue fever Virus belongs to flavivirus genus.
- d. Antiviral therapy is treatment of choice for Zika virus. XXX
- e. Congenital transmission of Zika virus leads to newborn microcephaly.

42) Which of the following matched pairs regarding olfaction and taste is NOT CORRECT? DR.arwa

- a. Lateral olfactory area - incus
- b. Lateral olfactory area - Limbic system
- c. Taste - Limbic system
- d. Olfactory receptor protein - Olfactory cilia
- e. Medial olfactory area - insula

43) One of the following pairs between neurological diseases and their characteristic clinical presentations is WRONGLY matched?

- a. Multiple sclerosis - Unilateral visual impairment.
- b. Korsakoff syndrome - Confabulation.
- c. Huntington disease - jerky dystonic movements.
- d. Amyotrophic lateral sclerosis - Slowness of voluntary movement. XXX
- e. Parkinson disease - Pill-rolling tremor.

44) All of the following regarding the limbus of the eye is true EXCEPT?

- a. The corneal epithelium continues as bulbar conjunctiva
- b. Contains multipotent cells important for differentiation of corneal epithelium
- c. Bowman's membrane become continuous with the trabecular meshwork XXX
- d. Is the border between regular corneal stroma and irregular scleral stroma
- e. Aqueous humor from anterior collect into canal of Schlemm

45) Clostridium tetani, one is WRONG? (DR.HAMID)

- a. Motile bacteria
- b. Has a vaccine
- c. Incubation period ranges between 3 days — 3 weeks
- d. Patient with generalized tetanus should be treated in the ward under light
- e. In generalized tetanus, the patient's sensation is intact

46) Sympathetic stimulation of the pelvic organs causes _____ ?

- a. Relaxation of the bronchial muscles.
- b. Relaxation of the internal urethral sphincter.
- c. Contraction of the internal rectal sphincter. XXX
- d. Dilatation of the blood vessels on external genitalia.
- e. Mydriasis.

47) Corneal Reflex involves the followings EXCEPT?

- a. The ophthalmic division of the trigeminal nerve
- b. The motor nucleus of the facial nerve
- c. The medial longitudinal fasciculus
- d. The long ciliary nerves XXX
- e. Closure of the eyelids

48) Which of the following is NOT a part of equilibrium system? DR.ARWA

- a. Vestibulospinal tract
- b. Fastigial nucleus
- c. Ventral posterior medial nucleus of thalamus
- d. Flocculonodular lobe
- e. Hippocampus

49) Submandibular Ganglion _____ ?

- a. Attached to the lingual nerve the glossopharyngeal nerve XXX
- b. Preganglionic parasympathetic fibers reach the ganglion from the facial nerve
- c. Postganglionic secretomotor fibers pass to the submandibular salivary glands
- d. Lies deep to the submandibular salivary gland
- e. Postganglionic secretomotor fibers pass to the sublingual salivary glands

50) The following match EXCEPT?

- a. Muscarine - Mushroom poisoning
- b. Deadly night shade - Belladonna alkaloids
- c. Pilocarpus jaborandi - Pilocarpine
- d. Calabar beans – Neostigmine XXX
- e. Hyoscyamus niger - Scopolamine

51) Median cleft palate means ?

- a. Failure of descend of the nasal septum
- b. Failure of fusion of the two palatine processes of the maxilla with each other
- c. Failure of formation of the two palatine processes of the maxilla XXX
- d. Failure of fusion of the two palatine processes of the maxilla with each other and with the primary palate on one side
- e. Failure of fusion of the two palatine processes of the maxilla with each other and with the primary palate on both sides

52) The following are direct Venous Drainage of the Scalp EXCEPT?

- a. The superficial temporal vein
- b. The supraorbital vein
- c. The retromandibular vein
- d. The occipital vein
- e. The posterior auricular vein XXX

53) All of the following are side effects of local anesthetics (LA) EXCEPT?

- a. Anxiety
- b. Convulsions
- c. Respiratory failure
- d. Hypertension XXX
- e. Allergic reactions

54) The followings occur in accommodation reflex EXCEPT?

- a. The constrictor pupillae muscle of the iris stimulated
- b. The eye field of the frontal cortex not involved XXX
- c. Contraction of the medial recti
- d. The lens thickens
- e. Contraction of the ciliary muscle

55) The second messenger which mediates the bitter taste is _____ ?

- a. CAMP
- b. CGMP
- c. IP3 XXX
- d. PIP2
- e. ATP

56) The photobleached pigment is _____ ?

- a. Rhodopsin
- b. Iodopsin
- c. Photopsin
- d. Meta-rhodopsin II XXX
- e. 11-cis retinol

57) Sympathetic response in fight reaction causes ?

- a. Broncho-constriction.
- b. Increase in blood pressure. XXX
- c. Decrease in blood glucose concentration.
- d. Defecation.
- e. Micturition.

58) Parasympathetic stimulation to the lungs causes ?

- a. Vasoconstriction of bronchial vessels.
- b. Broncho—constriction.
- c. Widening of air passages.
- d. Decreases bronchial secretions.
- e. Decrease Work of breathing

59) Regarding the openings into the orbital cavity which of the followings is WRONG?

- a. Inferior orbital fissure communicates with the infratemporal fossa XXX
- b. superior orbital fissure communicates with the middle cranial fossa
- c. Optic canal communicates with the middle cranial fossa
- d. Supraorbital foramen transmits the supraorbital nerve and blood vessels
- e. Nasolacrimal canal located anteriorly on the medial wall

60) All of the following regarding stria vascularis is true EXCEPT?

- a. Contain blood vessels
- b. Maintain ionic composition of endolymph
- c. Cover the base of the cochlear duct
- d. Stratified squamous epithelium XXX
- e. Devoid of hair cells



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