

1 Roll no 1. When stimulated by sound the inner hair cells of organ of Corti release which of the following neurotransmitters.

1. Acetylcholine

2. glycine

3. glutamate

4. serotonin.

5. GABA.

2 Roll no 02 The functions of middle ear are...

A. amplification, frequency detection, impedance matching

B. amplification, localization and protection

C. attenuation, impedance matching and pressure equalization

D. protection, localization and impedance matching

E. pressure equalization and frequency detection

3 MCQ no 3.: The base of basilar membrane is for ... high amplitude .. high frequency .. intermediate frequencies ... low amplitude .. low frequency

4 Chorda tympani transected during injury.. loss of sensation of tongue from..

1. Anterior 2/3 of tongue.

2. Post 2/3 of tongue

3. All over the tongue

4. Unable to swallow

5. Unable to move the tongue

5 A child refuses to take his medicine due to bitter taste.

The bitter taste activates taste buds by causing:

A: activation of phospholipase C

B: cyclic amp activation

C: cyclic gmp activation

D: direct activation of sodium channels

E: direct activation of calcium channels

6 . Person with diplopia. Retinal detachment is separation of

A. Neural retina and pigmented layer

B. Inner nuclear and inner plexiform layer

C. Outer layer and pigmented layer

D. Outer plexiform and outer nuclear

7

2

8 A bundle of fibres which connect nuclei of nerves involved in movement of extraocular muscles along with vestibular nucleus:

Medial longitudinal fasciculus

Superior colliculus

Inferior colliculus

Lateral longitudinal fasciculus

Medial geniculate body

9 John Dayton suffered from colour blindness where green pigment was absent in cones of the retina

What type of colour blindness is this??

Ametropia

Deuteropia

Pteropia

Triopia

Tritopia

10 At presynaptic terminal inhibition is caused by ... GABA

11 A 50 yrs old woman cannot read newspaper closely or put thread in the needle. the problem is with

A.iris

B.retina

C.lens

D. Pupil

12ROLL NO 12

12 :A man had an injury to his eye after which he develop blurred vision in both vertical and horizontal plane .His near and far vision both are effected the condition is corrected by using cylindrical lens .he has

a)ASTIGMATISM

b) hypermetropia

c)Myopia

d)presbyopia

e)Emmetropia

CORRECT OPTION : A

13 Focal lens of plus lense is 0.5. what will be it's refractive power in dioptres?

1D

2D

3D

4D

Ans 2d

14 Cells in olfactory epithelium are:

Unipolar neurons

Bipolar

Multipolar

Pseudounipolar

**15 A woman complains of loss of vision in nasal side of right eye ..
the defect of lesion is?**

Optic chiasma

Right optic nerve

Left optic nerve

Right temporal fibers

16. Abbas is 30 years old. He has loss of vision in nasal field of right eye. Which fibers are responsible for loss of vision?

A. Left and right optic tract

B. Left temporal fiber

C. Right optic tract

D. Optic chiasma

E. Right temporal fibers

Correct: E (right temporal fibers)

17 .During positive accommodation there is increase in

1.curvature of lens

2.field of vision

3.intraocular pressure

4.pupil size

5.sympathetic discharge

18 Papillary constriction increases

focus.

2) field of vision.

1) depth of

3) intraocular

pressure.

4) light entering into the eye.

5) moving parallax

Roll no 18

19 Bilateral incision on somatosensory area 1 on an animal experiment cause loss of

A local crude

B local pain

C loss of temperature

D loss of size

E loss of shape

20 When somatosensory association area is removed on one side of brain the person loses ability to recognize complex forms on opposite side of body. This condition is called

A. amorphosynthesis

B. amphotrophy

C. anhidrosis

D. aphasia

E. astereognosis

21 A medical student takes a lot of coffee and tea during her preparatory leave for exam. Coffee and tea increase neuronal activity by

a) increase excitatory threshold

b) decrease excitatory threshold

c) decrease inhibitory neurotransmitters

d) increase excitatory neurotransmitters

e) inactivation of receptors

22 The post synaptic potential of dendrites decrease due to... 1. sodium leaky channels. 2. calcium leaky channels. 3. chloride leaky channels

23 presynaptic inhibition occurs at presynaptic terminal before signals reach the synapse. The most common inhibitory neurotransmitter causing this is:

a) Dopamine

b) GABA

c) Glycine

d) nor epinephrine

e) serotonin

24)Excitation of neurons increases by:

A) pH increase from 7.4_7.8

B) pH increase from 6.4-6.8

C) pH decrease from 7.4-7.0

D) decrease in O₂

E) pH increase from 7.0-7.4

25 A road accident patient lying in supine position with elbows flexed in front of chest legs extended.

Decereberate rigidity

Decorticate rigidity

Floppy

Paralysed

Stroke

26 epithelium of thyroid gland in hypoactive state

27 A girl came across a nail while walking hurting her sole .which type of reflex is stimulated.

A.stretch reflex

B.flexor withdrawl reflex

C.crossed extensor reflex

D.tendon reflex

Correct=B

28A 60 years woman complains about the Huntington chorea ,the defect is in the neurons of:

1)Subthalmus

2)Amygdala

3)Striatum

29 Throwing of ball in loop , haiMeri of nails and shoveling dirts and coordinate is function of

Basal ganglia

Thalamus

Hypothalamus

Cerebellum

30 Neuronal output from which of the following is entirely inhibitory??

- A. Climbing fibres B. Deep nuclear cell C. Mossy fibres
D. Parallel nerve fibres E. Purkinji cells

31 Mcq no.31..a 12 year boy presented with blank stare, blinking of eyes and then semiconscious for 30 sec...and then rapid return of consciousness and resumption of previous activities..type of EEG recording from brain is.....(spike and dome pattern)

32 Eeg of Old man of 40 Yr age is done eeg show alpha rhythm

Associated with wakefulness

With deep sleep

Having frequency of 14 to 80 cycles

More pronounced in frontal lobe

Lead to REMsleep

33: A third year medical student is preparing a power point presentation for her research proposal. The type of waves produced in her brain during this task is;

A) alpha

B) beta

C) theta

D) delta

E) gamma

34 In an experimental animal a part of hypothalamus was destroyed after which it started consuming large quantity of food, but it couldn't be satiated the part hypothalamus involved...

a) Anterior

b) paraventricular

c) posterior

d) Mammillary bodies

e) ventromedial

Ans.... Option e(ventromedial)

35 A person is unable to recall information from his recent past. He can recall an event occurred 5 years ago. The part of brain affected is :

Amygdala

Cingulate gurus

Hippocampus

Hypothalamus

Thalamus

36 The type of memory that had 7+_2 pieces of information and is caused by reverberating circuits of neurons

A.episodic

B.non-declarative

C.long term

D.SHORT TERM(correct)

E.intermediate term

37 A 60 years old man has loss of vibration and proprioception on left side of body

a) right antriolateral track lesion

b)right dorsal column lesion

C)left dorsal column lesion

38first order cell bodies of medial limiscus are found in 1 dorsal horn of spinal cord 2 ventral horn of spinal cord 3 dorsal root ganglia 4 cuneatus and gracialis nucleus

39 A patient who has diminished pain sensation on right side of body,the acending tract of spinal cord affected is

A).lateral spinothalamic tract on right

B)lateral spinothalamic tract on left

C) anterior spinothalamic on left

D) anterior spinothalamic on right

E) tract of Lissauer

40 The fast pain in anterolateral system is carried through the type

A. A delta fibre

B. A beta fibre

C. A gamma fibre

D. B fibres

E. C fibres

41: In flexor withdrawal reflex contraction of flexor muscles is associated with reciprocal inhibition of :

a) synergistic flexor muscle. b) contralateral extensor muscle.

c) ipsilateral extensor muscle. d) ipsilateral flexor muscle.

e) extensor inhibition bilaterally

42 42. Loss of pain sensation on one side of body with loss of touch, vibration proprioception on contralateral side of body?

A. Brown sequard syndrome

B. Herpes zoster

C. Lateral medullary system

D. Thalamic pain syndrome

E. Tic douloureux

43 Mr Naeem 60 yr old diabetic presented to opd of ophthalmology with complaints of sudden appearance of floaters diplopia and reduced peripheral vision .he was diagnosed with retinal detachment.detachment is in between following 2layers

A.ganglion cell layer and anterior chamber

B.inner nuclear and inner plexiform

C.neural retina and pigment layer

D.Outer nuclear and plexiform

E.photoreceptor layer and inner nuclear

44

45L- deprenyl is used to manage a case with parkinsons disease . the mechanism of improvement in symptoms is.

a) converted to Acetyl choline in brain

B) converted to dopamine in brain

C) converted to GABA in brain

D) inhibits monoamine oxidation

E) neural circuits are blocked.

46 loss of vision due to lesion of

a.optic nerve

b.facial

c.opthalmic

d.maxillary

e.mandibular

47MCQ and Roll no 47

Mandibular nerve passes through the.....

1. Foramen rotandum

2. F ovale

3. F spinosum

4. F lacerum

5. Sup orbital fissure

48 GLOSSOPHARANYGEAL NERVE LEAVE THE SKULL THROUGH

1.JUGLAR FORAMEN

2.FORAMEN OVALE

3.FORAMEN ROTUNDUM

4.FORAMEN SPINOSUM

49 . 4th ventricle is related

1.cerebellum and cerebrum

2. Mid brain and hypothalamus

3 *.* *Pons and medulla*

4. Spinal cord and central canal.

50 special somatic afferent components related to

A,5 cranial n

B,6 cranial n

Ç,2 cranial n

D,1 cranial n

E,10 cranial n

51 General somatic efferent carried by

A.olfactory nerve

B.Ophthalmic nerve

C.Cochlear nerve

D.vestibular nerve

E.Spinal nerve

52 Trochlear nerve pass through superior orbital fissure

53 neerve supply of lateral ractus?

A. Optic nerve

B. Ophthalmic nerve

C. Occulomotor nerve

D. Abducen nerve

E. Facial nerve

54.smell is component of following??

A.GVA

B.GSE

C.GVE

D.GSA

E.SVE

Correct SVE

55 Which of the following tract is related to unconscious muscle joint sensation?

a: Lateral Spinothalamic Tract

b: Anterior Spinothalamic Tract

c: Anterior Spinocerebellar Tract

d: Fasciculus Cuneatus

e: Fasciculus Gracilis

56 Total number of cranial nerves

12 pairs

24 pairs

20 pairs

33 pairs

31 pairs

57 The CSF is mainly formed by

A. choroid plexus

B. Arachnoid granulation

C. Aqueduct salivus

D. Central canal

E. The subdural space

58

59 Muscle innervated by trochlear nerve is

1)superior rectus

2)inferior rectus

3)superior oblique

4) inferior oblique

60 Sensation of pressure and touch are transmitted through

A. Lateral spinothalamic

B. Anterior spinothalamic

C. Posterior spinocerebellar

D. Fasciculus gracilis

E. Fasciculus cuneatus

61 choroid plexus is drained by a.arachnoid granulation

b.central canal

c.cerebral aqueduct

62) main parasympathetic cranial nerve is

a:vagus

b: hypoglossal

c:trochlear

d: trigeminal

e:abducens

63 Component of taste fiber is

SVA

64 cribriform plate is related to..(a) olfactory nerve (b) optic nerve (c)occulomotor (d)trochlear nerve (e) sphenoid bone

65. Hydrocephalus is commonly occur due to obstruction at:

A. Interventricular foramina

B . 3rd ventricle.

C. Cerebral aqueduct

D. 4th ventricle

E. Central canal

66

67 (67) superior cerebellar peduncle is related to

A. Hypothalamus

B. Medulla oblongata

C. Pons

D. Midbrain

E. Thalamus

68 McQ no 68: Embolism nuclei is related to .. cerebral cortex ... cerebellar cortex ... basal ganglia .. cerebellar nuclei

6969 :Precentral gyrus is related to,

(a) sensory function

(b) motor

(c) vision

(d) body balance

(e) smell.

70 .Primary motor cortex is

1.precentral gyrus

2.postcentral gyrus

3.cingulate gyrus

4.superficial temporal gyrus.

71 Opening of olfactory nerve is in

1) temporal bone

2) ethmoid bone

3) occipital bone

4) parietal bone

5) sphenoid bone

72 (72) which nerve passes through internal acoustic meatus

- A. Maxillary nerve
- B. Mandibular nerve
- C. Facial nerve
- D. Internal carotid artery
- E. Ophthalmic artery

73. What passes through the carotid canal?

- a. External jugular vein
- b. Internal jugular vein
- c. External carotid artery
- d. Internal carotid artery.

74 _ The Jugular foramen transmits which of the following

- A. Accessory nerve
- B. Olfactory nerve
- C. Facial nerve
- D. Oculomotor nerve
- E. Hypoglossal nerve

75 The hydrocephalus usually ends at 1spinal cord2cerebellum3 pons4midbrain5medullaoblongata

76Epithelium of thyroid follicles in hypoactive state is

Low columnner

High columnner

Squamous

Transverse columnner

Cuboidal epithelium

77. During production of thyroid hormone, the iodination of tyrosine residues in thyroglobulin occurs in colloid which is catalyzed by thyroid peroxidase resulting in formation of

- A. Monoiodotyrosine
- B. Di-iodotyrosin
- C. Monoiodotyrosine and Di-iodotyrosine
- D. D- triiodotyrosine
- E. Diiodotyrosine and triiodotyrosine

78 epithelium of cilliary process of eye

Ans : squamous epithelium

79 . Outer nuclear layer of the retina contains

A)cones only

B)rods only

C)rods and cones

D) rods cones and muller c

80 Name of epithelium of striated duct

a . Pseudostratified epithelium

b. Transitional epithelium

c. squamous epithelium

d. Cuboidal epithelium

e. Columnar epithelium

81.....In salivary secretory unit in which myoepithelial cell are found in acinus tubules of duct system at level of

A) inside the basal lamina of acinus

B)at apex of acini

C) at both inside the basal lamina of acinus and at apex of acinus

D)at middle of inside of basal lamina of acinus

E)at apex and middle of acini.

82 Which of the following structures is derived from 1st pharyngeal arch?

A.malleus

B.incus

C.stapes

D.stylohyoid ligament

E.stylohyoid muscle.

83 Oblique cleft :

1)protrusion due to 2 lateral nasal prominences

2) incomplete merging of 2 lateral nasal prominences

3)Incomplete merging of maxillary and lateral nasal prominences

4)merging of frontnasals

84 Muscular derivative of 1st pharyngeal arch is

Muscle of mastication

Masseter muscle

Tempooralis

Anterior belly of digastric

Posterior belly of digastric

85 myoblast from occipital myotomes are believed to give rise to muscles of : a.eye b.face c.ear d.jaw e.tongue

86 the spinal cord is enlarged at what level ? Ans . Cervical and lumber

87

88 Which nerve takes origin from pons

A.trochlear

B.vagus

C.abducent

D.oculomotor

E.hypoglossal

89 superior cerebellar peduncle is connected to

a.pons

b.mid brain

c.medulla oblongata

d.thalamus

e.hypothalamus

90. Dentate nucleus is related to...
hemisphere. 2:spinal cord. 1:cerebral
4:cerebeller cortex. 3:medulla oblongata.
5:cerebeller nuclei.

91:central sulcua

Pass medial surface of cerebral hemishpere

Runs directly into lateral sulcus

Also called fissure of sylvius

Lie in middld of cerebral hemisphere

Has no relation with fissure of rolands

92 Primary motor area is related to : 1: precentral gyrus 2: postcentral gyrus 3: temporal pole 4: occipital pole

93. Cerebrospinal fluid is produced by the...

A) Archanoid granulations

B) Tela Choroidea

C) Pia Mater

D) Choroid plexus

E) Ependymal cells

94 Hydrocephalus is most commonly due to obstruction of:

Interventricular foramina

Cerebral aqueduct

Lateral ventricle foramen

95 Arachnoid mater ends at the level of

A: lower border of S2 vertebrae

B : lower border of S3

C : lower border of L2

D: upper border of S2

E: upper border of L1

96. Crista galli is the upward projection of which bone?

Ans. Ethmoid bone

97 Jugular foramen transmits which of the following nerves?

Facial

Hypoglossal

Trigeminal

Accessory

Vestibulochochlear

98 Which of the following is true for superior rectus

1 move eyeball upward and medially

2 move eyeball upward and laterally

3 move eyeball downwards and medially

4 move eyeball downwards and laterally

99) REGARDING SKULL, LAMBDA IS THE POINT WHERE 2 PARIETAL BONES MEET WITH WHICH OF THE FOLLOWING BONES?

a: parietal

b: temporal

c: frontal

d: sphenoid

e: occipital

100 . Regarding ossicles the incudostapedial joint is a type of:

A) fibrous joint

B) saddle j

C) plan j

D) ellipsoid j

E) ball and socket j

101 . Taste fibers from posterior third of tongue are carried by:

A) CN 4

B) CN 5

C) CN 7

D) CN 8

E) CN 9

102

103 As a resident in pediatrics, you are called to see a newborn who has unilateral cleft lip and unilateral cleft of primary plate this condition is result of

A) failure of fusion of mandibular prominence

B) failure of fusion of medial nasal processes

C) failure of fusion of maxillary with medial nasal prominence

D) failure of fusion of lateral palatine process with nasal Septem

E) failure of fusion of paired lateral palatine process

104 regarding skull foramina , optic canal transmits :

a- lacrimal Nerve

b_ frontal nerve

C . ophtalmic artery

d- nasociliary nerve

e. carotid artery

105 regarding the innervation of tempenic membrane is supplied by greater auricular never and

A tympanic nerve

B mandibular nerve

C fascial nerve

D vagus nerve

106) which of the following is a fast inhibitory neurotransmitter :

a) serotonin b) GABA c) acetylcholine d) nor epinephrine.

107hospholipase A 2 removes fatty acid residues from lecithin to form?

A) lecithin fragments

B) phosphatic acid

C) gluceryl phosphate

D) lysolecithin

E) sphingosine

108 .Source of energy for synthesis of guasine mono phosphate from iosine mono phosphate

A.atp

B.gtp

C.adp

D.amp

E.gdp

109 the enzyme which builds mRNA strand complimentary to Dna is called

110.Dump is converted to TMP by

A. N5 N10 methylene nH4 folate

B. NADPH+H

C. ATP

D. CTP Synthase

E. dihydrorotate dehydrogenase

111 A research pharmacologist is intended to find a drug that stimulate nicotinic receptors. He take 4 out of 5 tissue samples. One that doesn't contain nicotinic receptors are:

a.Bronchial smooth muscle

b.Adrenal medullary cells

c.parasyphathetic ganglia

d. Skeletal muscle

e. Sympathetic ganglia

112. A 15-year-old patient is receiving anti-epileptic drugs for the last 10 years. Which of the following, used chronically in maintenance or partial seizure states, increases hepatic metabolism of phenytoin if co-administered with it?

A. sodium valproate

B. carbamazepine

C. phenobarbital

D. lamotrigine

E. diazepam

113. Physiologically, what happens to the brain during Alzheimer's disease?

1. Brain cells swell

2. Brain stem dies

114. To diagnose brain stem death, which of the following reflexes is appropriate to perform?

Crossed tensor reflex

Golgi tendon

Vestibulo-ocular

Withdrawal reflex

Stretch reflex

115mcq 115

in Alzheimer disease the sulci and gyri become

a) wider and narrower

b) narrower and wider

c) both wider

d) both narrower

e) not affected

116A student wanted to conduct a research study on a detailed account of the life of Prime Minister Imran Khan. Which one of the following would be appropriate qualitative study design? a: case study b: content analysis c: ethnography d: historical E: narrative

117 Undergraduate student conducting research on a group of people who survived in an earthquake. Which qualitative study is most appropriate?

A. case study

B. cohort

C. survey

D. ethnography

E.phenomenology

118mcq) 118..... A student in mixed Gender medical school wanted to know the proportion of Gender ;male/female in five year MBBS .Data type is.

1) Binary data

2)Continous data

3)measuring data

4)Nominal data

5)Ordinal data

119) Representation providing instant overview of status of a project
ANS: Gantt chart

120 A questionnaire is a set of questions for gathering information from individuals. Which of the following is key principle for designing questionnaire

A. Logical type questions are boring

B. Never ask close ended questions

C. Open ended questions are quick

D. Use multiple choice questions

In a coeducational setup, male and female students in all 5 years of mbbs are counted, what is the type of data;

a: binary data

b: ordinal data

c: nominal data

d: arrayed data

Muscular derivative of 1st pharyngeal arch is

Muscle of mastication

Masseter muscle

Tempooralis

Anterior belly of digastric

Posterior belly of digastric

The visual representation about the progress of an ongoing project can be done by:

- a: project chart
- b: GANTT chart
- c: progress chart
- d: ?

Tympanic membrane is supplied by temporoauricular nerve and;

- a: tympanic nerve
- b: facial nerve
- c: vagus nerve
- d: auricular nerve

Q) A student wanted to know proportion of male/female students of his class in 5 years, data type?

- 1) binary
- 2) continuous
- 3) ordinal
- 4) measuring
- 5) nominal

Q A student wants to conduct research on Imran Khan's life, qualitative method?

- a) case study

- b) historical study
- c) narrative study
- d) content study
- e) ethnography

Q) A visual representation that provides an instant overview of status of project?

- a) excel chart
- b) gantt chart
- c) flow chart
- d) project chart
- e) work breakdown chart

Which structure passes through jugular foramen?

Superior rectus move the eye in which direction?

In the salivary secretory units in which myoepithelial cells are found in acini tubules of the duct system at a level of

- A. Inside the basal lamina acinis
- B. At the apex of acinis
- C. At both inside of the basal lamina of acini and at the apex
- D. At middle and inside the basal lamina of acinis
- E. At apex and middle of acinis

Nicotine receptor not present in

- A. Bronchial smooth muscles
- B. Adrenal medullary cell

- C. Parasympathetic ganglia D. Skeletal muscle
- E. Sympathetic ganglia

A 15 years old patient is using anti epileptic drugs to 10 years. Which of the following drug would used chronically is maintained treatment of patient with tonic-clonic or partial seizures state increases hepatic metabolism of phenytoin if co administered with

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