

FINAL REVISION MCQs

We hope this revision has been of great benefit

Good luck ☺

Anatomy team leaders

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CEREBELLUM

Q1	Climbing fibres from :	Q2	regarding to Mossy fibers which of the following is true :
	A. From inferior olivary nucleus relay to vestibular nucl B. from vestibular nucl relay to pons C. from inferior olivary nucleus, relay to purkinge cells		A. relay to granule cells which in turn relay to purkinge cells B. relay to purkinge cells which in turn relay to granule purkinge cells C. from vestibular nucl relay to pons
Q3	All the following are true about ARCHICEREBELLUM except :	Q4	Which one of the following nucleus is related to NEOCEREBELLUM?
	A.Part of cerebellum flocculonodular lobe B. Nuclei fastigial C. Afferents and Efferents from vestibular nuclei (through ICP) D. posture & muscle tone		A.Fastigial nucleus B.Dentate nucleus C.Globose nucleus
Q5	To which part of the CNS the flocculonodular lobe send its efferent fibers?	Q6	Which one of the following cerebellar cortex layers is the INNER MOST?
	A.Red nucleus B.Pons C.Vestibular nuclei		A.Molecular layer B.Purkinje cell layer C.Granular layer
Q7	Which one of the following functions related to PALEOCEREBELLUM	Q8	Which one of the following nuclei lie medially?
	A.controls balance B.influences posture & muscle tone C.coordination of voluntary movements		A.Fastigial nucleus B.Dentate nucleus C.Globose nucleus
Q9	Which one of the following cerebellar parts related to ARCHICEREBELLUM	Q10	The largest nucleus in the cerebellum can be seen by naked eye is :
	A.flocculonodular lobe B.vermis & paravermis C.rest of cerebellum		a. Fastigial nucleus. b. Globose nucleus. c. Dentate nucleus d. Emboliform nucleus.

ANSWERS:

Q	1	2	3	4	5	6	7	8	9	10
ANS	C	A	D	B	C	C	B	A	A	C

CEREBELLUM

Q 1	Which part in cerebellum is concerned with coordination of movement ?	Q 2	Which nucleus contributes in the balance function of cerebellum ?
	a. Vermis. b. Paravermis. c. Folliculonodular lobe. d. Neocerebellum		a. Dentate nucleus. b. Fastigial nucleus. d. Globose nucleus. e. Emboliform
Q 3	The cerebellum is separated from medulla and pons by:	Q 4	The cerebellar hemispheres are joined together by:
	A. Cerebellar peduncles. B. Cerebral Aqueduct. C. Fourth ventricle. D. Lateral ventricles.		A. Velum. B. Vermis. C. Basilar groove. D. Corpus callosum.
Q 5	Which of the following is located in front of the posterolateral fissure?	Q 6	Which of the following fibers do not relay in the granule cells of cerebellar cortex
	A. Anterior. B. Median. C. Posterior. D. Flocculonodular		A. Vestibular fibers. B. Pontine fibers. C. Climbing fibers. D. Spinal cord fibers.
Q 7	Efferents of paleocerebellum project to _____ through _____?	Q 8	The neocerebellum coordinates voluntary movements via:
	A. Spinal cord through ICP. B. Red nucleus through ICP. C. Spinal cord through SCP. D. Red nucleus through SCP.		A. Corticospinal tracts. B. Spinacerebellar tracts. C. Spinothalamic tracts. D. Reticulospinal tracts.

Q	1	2	3	4	5	6	7	8
ANS S	D	B	C	B	D	C	D	A

ANSWERS:

CEREBRAL HEMISPHERES

Q1	Cerebrum separated by..... ,and connected by..... :	Q2	Insula gyri in the depth of fissure and covered by..... :
	A. median longitudinal fissure , vermis B. median longitudinal fissure, corpus callosum. C. corpus callosum , median longitudinal fissure		A. lateral fissure, prefrontal B. median fissure, frontal, parietal & temporal lobes C. lateral fissure , frontal, parietal & temporal lobes
Q3	This cortical area is present in the frontal lobe of the cerebral hemisphere:	Q4	Broca's (motor speech) area Located in :
	A. Primary auditory area (areas 41 and 42). B. Primary visual area (area 17). C. Broca's area (motor speech area). "area 44-45 " D. Somatosensory association area (area 5 and 7).		A. the middle frontal gyrus B. inferior frontal gyrus medial hemisphere C. inferior frontal gyrus dominant hemisphere D. Located in precentral gyrus
Q5	Primary visual cortex located on :	Q6	Posterior Commissure Important in
	A. lateral surface of occipital lobe B. medial surface of occipital lobe C. inferomedial part of temporal lobe		A. connects the inferior and middle temporal gyri B. bilateral pupillary reflex C. connect the two hippocampi
Q7	When a person thinks and solves problems, which area of the cerebrum is involve?	Q8	Which part of internal capsule contain Corticospinal and Corticobulbar fibers ?
	A. frontal lobe B. parietal lobe C. occipital lobe D. temporal lobe		A- Posterior limb. B- Genu . C- Sublenticular part. D- Retrolenticular part
Q9	one of the following is function of temporal lobe?	Q10	Primary auditory cortex located in :
	A- memory B- visual processing C- mood D- motivation		A-Brodmann's area 17 B- Brodmann's area 1, 2, 3 C- Brodmann's area 45, 46 D- Brodmann's area 41, 42

Q	1	2	3	4	5	6	7	8	9	10
ANS S	B	C	C	C	B	B	A	A	A	D

ANSWERS:

CEREBRAL HEMISPHERES

Q 1	Which one of the following is true about Association Fibers are :	Q 2	Damaging which of the following lobes will affect on the motor function
	A- connect the corresponding regions of the two hemispheres. B- arranged radially as the corona radiata C- has short association fibers only. D- unite different parts of the same hemisphere		A. Occipital lobe B. Frontal lobe C. Parietal lobe
Q 3	Establishing of the cerebral dominance occurs	Q 4	Classification of the nerve fibers depends on
	A. Before birth B. Few years after birth C. At the age of 10		A. Origin B. Termination C. Both A&B
Q 5	Connects corresponding regions of the two hemispheres	Q 6	Corpus callosum connects the corresponding regions of the two hemispheres except:
	A. Association fibers B. Commissural fibers C. Projection fibers		A. The occipital lobes B. The frontal lobes C. The temporal lobes
Q 7	The temporal lobes are connected by:	Q 8	Which lobe is responsible for visual processing
	A. Anterior commissure B. Posterior commissure C. Corpus callosum		A. The occipital lobes B. The frontal lobes C. The temporal lobes
Q 9	Which one of the following lobes is responsible for evaluation of sensory information?		
	A. The occipital lobes B. The frontal lobes C. The temporal lobes D. The parietal lobe		

Q	1	2	3	4	5	6	7	8	9
ANS	D	B	B	C	B	C	A	A	D

ANSWERS:

CEREBRAL BLOOD CIRCULATION

Q1	CEREBRAL ARTERIAL SUPPLY by two system ?	Q2	Circle of Willis Encircles all of the following Except
	A. Vertebro-Basilar System B. Carotid System C. coronary system D. a-b		a)Hypothalamus b)Thalamus C)Midbrain D)Optic chiasma
Q3	CIRCULUS ARTERIOSUS "Circle of Willis" formed by all of the following except	Q4	POSTERIOR PERFORATING ARTERIES supply all of the following except :
	a)2 Anterior cerebral arteries and 1Anterior communicating artery b)2 Posterior cerebral arteries and 2 Posterior communicating arteries c)Two Internal carotid arteries d)Middle cerebral artery		a)part of Hypothalamus b)part of subthalamus c)Ventral portion of Midbrain d) Optic chiasma
Q5	Which of these is supplied by both Anterior & Posterior Perforating arteries:	Q6	Blood flows from transverse & sigmoid sinuses into?
	A. Hypothalamus B. Optic chiasma C. Basal Ganglia D. Subthalamus		a)internal jugular vein b)external jugular vein c)Great Cerebral vein
Q7	Which one of the following areas is affected in case of anterior cerebral A. lesion :	Q8	Anterior perforating A. supplies :
	A. Uncus B.Broca's area C.Primary Somatosensory area D. Medial surface of frontal lobe		A.Optic chiasma B. subthalamus C.Ventral portion of midbrain
Q9	Superior cerebral veins terminate mainly in :	Q10	which one of the following disorders can result from infection in the dangerous area of the face :
	A.Superior Sagittal sinus B.Transverse sinus C.Superficial middle cerebral vein		A.Obstruction of venous drainage B.Stroke C.Cavernous S thrombosis

Q	1	2	3	4	5	6	7	8	9	10
ANS	D	B	D	D	A	A	D	A	A	C

ANSWERS:

CEREBRAL BLOOD CIRCULATION

Q 1	If a lesion occurs in the posterior cerebral artery, these deficits may present	Q 2	If a lesion occurs in the middle cerebral artery, these deficits may present...
	a- Paralysis, Contralateral Hemiplegia of the leg, Cognitive and Emotional Changes b- Dyslexia, Memory Impairments, Hemianopsia, Cortical Blindness c- Dysarthria, Dysphagia, Locked-In Syndrome d- Contralateral Hemiplegia, Cortical Hypothesia, Apraxia, Aphasia, Hemianopsia		a- Paralysis, Contralateral Hemiplegia of the leg, Cognitive and Emotional Changes b- Contralateral Hemiplegia, Cortical Hypothesia, Apraxia, Aphasia, Hemianopsia c- Dysarthria, Dysphagia, Locked-In Syndrome d- Dyslexia, Memory Impairments, Hemianopsia, Cortical Blindness
Q 3	the inferior cerebral veins terminate mainly into :	Q 4	the great cerebral vein form by :
	a- superior middle cerebral vein b- superior anastomotic c- inferior sagittal sinus d- superior sagittal sinus		a- inferior cerebral veins b- superficial middle cerebral vein c- internal cerebral veins d- superior cerebral veins
Q 5	The anterior cerebral artery and the middle cerebral artery arise from...	Q 6	Which structures are supplied by the basilar artery ?
	a- the vertebrobasilar artery b- the brain c- the internal carotid artery d- the spinal column		A. Midbrain B. Pons C. Cerebellum D. A&C

Q	1	2	3	4	5	6
ANS S	B	B	A	C	C	D

ANSWERS:

BASAL GLANGLIA

Q1	PUTAMEN Separated from globus pallidus by?	Q2	lentiform is separated from caudate by..... &from thalamus by.....
	a)lateral medullary lamina b)medialmedullary lamina c)extreme capsule d)external capsule		a)lateral medullary lamina,medial medullary lamina b)anterior limb of internal capsule , the posterior limb c) the posterior limb, anterior limb of internal capsule
Q3	Afferent fibers of striatum come from all of the following Except ?	Q4	Afferent fibers of both lateral & medial segments of globuspallidus come from?
	a)cerebral cortex b)parscompacta of substantia c)Pars reticulata of SubstantiaNigra d)intralaminar nucleus of thalamus		a)striatum b)cerebral cortex c)subthalamic nucleus d)A-C
Q5	Efferent fibers of medial segment is directed to all of the following except ?	Q6	Which of the following called pleostriatum ?
	a)ventral lateral b)ventral anterior c)subthalamic nucleus d)centromedian nucleus		A-caudate B-putamen C-globus pallidus D-amygda
Q7	The lentiform is separated from caudate by :	Q8	Which part of CAUDATE NUCLEUS continue with Amygdaloid Nucleus
	A- Anterior limb of internal capsule B- Posterior limb of internal capsule C- lateral medullary lamina D- Medial medullary lamina		A- Head B- Body C- Tail D- B and C
Q9	Body of caudate located in the	Q10	the - Extreme capsule between:
	A- Frontal lobe B- parietal lobe C- Temporal lobe D- Occipital lobe		A- claustrum and insula B- claustrum and putamen C- claustrum and globus pallidus D- globus pallidus and putamen

ANSWERS:

Q	1	2	3	4	5	6	7	8	9	10
ANS	A	B	C	D	C	C	A	C	B	A

BASAL GANGLIA

Q 1	STRIATUM is formed of :	Q 2	amygdale located in which lobe of brain ?
	A- Caudate and Thalamus B- Putmen and caudate C- Caudate and globus pallidus D- Putmen and globus pallidus		A-frontal B-temporal c-parietal D-occipital
Q 3	lesion of amygdale lead to :	Q 4	Lentiform nucleus consist of :
	A-lack of emotional responses B- lack of sensation C-lack of motor activity D-paralysis		A- Caudate and Thalamus B- Putmen and caudate C- Caudate and globus pallidus D- Putmen and globus pallidus
Q5	Lentiform Nucleus:	Q6	the – External capsule between:
	A- Lateral to thalamus B- Medial to thalamus C- Medial to Spinal cord D- Posterior to thalamus		A- claustrum and insula B- claustrum and putamen C- claustrum and globus pallidus D- globus pallidus and putamen
Q7	Corpus striatum is formed of:	Q 8	Medial segment of globus pallidus is similar in cytology & connections with:
	A- Caudate and Thalamus B- Putmen and caudate C- Caudate and Lentiform D- Putmen and globus pallidus		A. Lateral segment of GP B. Pars reticulata of SN C. Pars compacta of SN

Q	1	2	3	4	5	6	7	8
ANS S	B	B	A	D	A	B	C	B

ANSWERS:

LIMBIC SYSTEM & THALAMUS

Q1	Which of the following is the principal efferent pathway to the hippocampus?	Q2	FORNIX It is C-shaped group of fibers connecting the?
	a. Amygdala. b. Dentate Nucleus c. Fornix. d. Mamillary body		A) Hippocampus with Amygdala. b) Amygdala with Habenular nuclei c) Hippocampus with Mamillary body
Q3	posterior end of thalamus form :	Q4	which one of the following inferior to the thalamus :
	a) superior colliculus. b) anterior tubercle. c) Pulvinar		a) Hypothalamus. b) 3rd ventricle. c) internal capsule
Q5	all of followings are Simple sensory relay nuclei except :	Q6	The Fornix is an important component of:
	a) Ventral posterolateral nucleus (VPL). b) Anterior ventral nucleus. c) Ventral posteromedial nucleus (VPM).		a) Papes Circuit. b) Hippocampal formation. c) parahippocampal gyrus.
Q7	The largest part of diencephalon?	Q8	Lesion of Amygdala results in :
	a) Hypothalamus b) subthalamus. c) thalamus		a) Motivation. b) Emotional responses & docility. c) Memory.
Q9	The lateral surface of the thalamus is related to:	Q10	The ventral tier of lateral nuclear group contains which one of the following:
	A. Putamen B. Fluccolandular lobe of cerebellum C. Posterior limb of internal capsule D. Lateral ventricle and fornix		A. Medial nucleus B. Lateral posterior nucleus C. Pulvinar D. Lateral geniculate nucleus

ANSWERS:

Q	1	2	3	4	5	6	7	8	9	10
ANS	C	C	C	A	B	A	C	B	C	D

LIMBIC SYSTEM & THALAMUS

Q1	Ventral Lateral Nucleus Receives Fibers from:	Q2	Which Of The Following Is A Part Of The Limbic cortex:
	A. Dentate nucleus B. Lateral leminiscus C. Globus pallidus D. Hypothalamus		A. Premotor cortex B. Wernicke's area C. Parahippocampal gyrus D. Insula
Q3	Which structure lies in the inferomedial area of the temporal lobe:	Q4	Amygdala is the continuation of
	A. Hippocampus B. Septal nucleus C. Amygdala D. Thalamus		A. putamen B. Tail Of Caudate nucleus C. Globus pallidus D. Subthalamus
Q5	Which one of the following function of HIPPOCAMPUS	Q6	Which one of the following function of septal nuclei
	A. OlfacDon B. Memory C. FEAR D. Pleasure		A. OlfacDon B. Memory C. FEAR D. Pleasure
Q7	Lateral wall of 3rd ventricle is formed by:	Q8	Which one of the following function of amygdala
	A. Hypothalamus & thalamus B. Hypothalamus & subthalamus C. subthalamus & thalamus		A. OlfacDon B. Memory C. FEAR-Anger D. Pleasure
Q9	Which one of the following divided the thalamus into ant. , med. & lat. Nuclei ?	Q10	Medial geniculate body Receives Fibers from:
	A. External medullary lamina B. Internal medullary lamina C. Middle medullary lamina		A. Lateral lemniscus B. Medial lemniscus C. spinal lemniscus D. Trigeminal lemniscus

ANSWERS:

Q	1	2	3	4	5	6	7	8	9	10
ANS	A	C	A	B	B	D	A	C	B	A

MENINGES & CSF

Q1	Falx cerebri has attached border adherent to and free border lies	Q2	Arachnoid mater separated from the dura by a narrow :
	A. skull, below corpus callosum B. skull, below corpus striatum C. brain, above corpus callosum D. skull, above corpus callosum		A. subarachnoid space B. subdural space C. epidural space
Q3	Arachnoid and dural and, subarachnoid space, continue caudally to:	Q4	The 3 rd ventricle is continuous with the lateral ventricles through
	A. S2 B. L1, L2 C. attached to the back of the coccyx.		A. Foramen of Luschka B. Foramen of Magendie C. Foramen of Monro
Q5	which layer of dura matter that form flex cerebri and tentorium cerebelli:	Q6	The interpeduncular cistern contains :
	a-meningeal layer of dura. b- periosteal layer of dura. c- pia mater layer.		A. Optic chiasma B. Mid brain C. Circle of Willis D. A&C
Q7	The dura is separated from the bony wall of the vertebral canal by:	Q8	fourth ventricle continuous with :
	a- epidural space. b- periostum . c- none of the above .		a- cerebral aqueduct. b- third Ventricle. c- lateral Ventricle.
Q9	obstruction of the flow of CNS leads to:	Q10	Spinal cord terminate at the level of ?
	a- tumor . b- hydrocephalus. c- hemorrhage.		A. L5 - L6 B. L1 - L2 C. S1 - S4

ANSWERS:

Q	1	2	3	4	5	6	7	8	9	10
ANS	D	B	A	C	A	D	A	A	B	B