

Course No: DNTS 2208
Course Title: Head & Neck Anatomy
Date: 10/01/2015
No. of Questions: (1)
Time: 75 minute
Using Calculator (No)

University of Palestine

Final Exam
1st Semester 2014/2015
Total Grade: 60

Instructor Name: Dr. Hazem Melad
Student No.: _____
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College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: MCQ:

- 1- The coronal suture joins the
 - a) frontal and parietal bones.
 - b) left and right parietal bones.
 - c) parietal and occipital bones.
 - d) parietal, squamous temporal and greater wing of the sphenoid.
- 2- Which of the following bones has a process that joins with the zygomatic bone to form the zygomatic arch?
 - a) The maxillary bone
 - b) The temporal bone
 - c) The sphenoid bone
 - d) The frontal bone
- 3- Which of the following foramina pierce the sphenoid bone?
 - a) The foramen ovale
 - b) The foramen ovale and rotundum
 - c) The foramen ovale, rotundum and spinosum
 - d) The foramen ovale, rotundum and spinosum and foramen lacerum
- 4- Which of the following structures travel through the substance of the parotid gland?
 - a) The maxillary artery
 - b) The maxillary artery and retromandibular vein
 - c) The maxillary artery, retromandibular vein and facial artery
 - d) The maxillary artery, retromandibular vein, facial artery and buccal branch of the mandibular nerve
- 5- A lesion causing compression of the facial nerve at the stylomastoid foramen will cause ipsilateral
 - a) paralysis of the facial muscles.
 - b) paralysis of the facial muscles and loss of taste.
 - c) paralysis of the facial muscles, loss of taste and lacrimation.
 - d) paralysis of the facial muscles, loss of taste, lacrimation and decreased salivation.
- 6- Which of these branches of the trigeminal nerve contain somatic motor processes?
 - a) The supraorbital nerve
 - b) The infraorbital nerve
 - c) The mental nerve
 - d) None of the above
- 7- The parotid duct runs
 - a) deep to masseter and enters the mouth opposite the upper second molar.
 - b) superficial to masseter and enters the mouth opposite the upper second molar.
 - c) deep to masseter and enters the mouth opposite the upper second premolar.
 - d) superficial to masseter and enters the mouth opposite the upper second premolar.

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- 8- The infraorbital nerve
- is a terminal branch of the maxillary division of the trigeminal nerve.
 - is a terminal branch of the maxillary branch of the facial nerve.
 - carries parasympathetic secretomotor neurons to the lacrimal gland.
 - innervates the inferior part of the orbicularis oculi muscle.
- 9- The lateral pterygoid muscle
- is attached to the coronoid process and elevates the mandible.
 - is attached to the condylar process and elevates the mandible.
 - is attached to the coronoid process and protrudes the mandible.
 - is attached to the condylar process and protrudes the mandible.
- 10- Which of the following statements is true of the temporomandibular joint?
- It has an articular disc of hyaline cartilage
 - Its articular surfaces are covered by hyaline cartilage
 - Proprioceptive information is carried by the chorda tympani and deep temporal nerves
 - Proprioceptive information is carried by the masseteric and auriculotemporal nerves.
- 11- The major concentrations of proprioceptive receptors providing information about position of the TMJ are located in
- the capsule and ligaments of the TMJ and the medial pterygoid muscle.
 - the capsule and ligaments of the TMJ and the lateral pterygoid muscle.
 - the articular disc of the TMJ and the medial pterygoid muscle.
 - the articular disc of the TMJ and the lateral pterygoid muscle.
- 12- Which muscle is the most active during a right lateral excursion of the mandible?
- Left lateral pterygoid muscle
 - Right lateral pterygoid muscle
 - Left medial pterygoid muscle
 - Right medial pterygoid muscle
- 13- Which of the following nerves of the anterior division of the mandibular nerve is not motor branch?
- masseteric
 - deep temporal
 - lateral pterygoid
 - buccal
- 14- Which of the following is false? The internal carotid artery:
- lies in the floor of the middle ear
 - lies medial to the abducent nerve
 - centers the skull and divides into the anterior and middle cerebral arteries
 - is separated from the external carotid artery by the styloglossus
 - grooves the greater wing of the sphenoid bone

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- 15- Which of the following is false? The internal jugular vein:
- a) is separated from the sympathetic chain by the prevertebral fascia
 - b) is a continuation of the sigmoid sinus
 - c) receives the anterior jugular vein
 - d) is separated from the inferior petrosal sinus by the 9th, 10th and 11th cranial nerves
- 16- Which of the following is false? The trigeminal nerve:
- a) it supplies the muscle of mastication
 - b) its ganglion lies on the apex of the petrous bone
 - c) emerges from the brain stem between the pons and the medulla
 - d) emerges from the brain stem as separate sensory and motor roots
 - e) innervates all the teeth of the upper jaw
- 17- All the following nerves are transmitted through the temporal bone except:
- a) facial nerve
 - b) vestibulocochlear nerve
 - c) mandibular branch of the trigeminal nerve
 - d) olfactory nerve
- 18- Which of the following is false? The pterygopalatine ganglion:
- a) supplies parasympathetic fibres to the lacrimal gland
 - b) sympathetic nerves from the superior cervical ganglion passes through it
 - c) is suspended from the maxillary nerve
 - d) supplies the iris
- 19- All the following statements about the boundary of the nasal cavity are true except:
- a) cribriform plate forms part of the roof
 - b) maxilla forms the floor of the cavity
 - c) vomer forms the lateral wall of the cavity
 - d) the vertical plate of the ethmoid bone forms the medial wall
- 20- Which of the following foramina is NOT in the middle cranial fossa?
- a) foramen rotundum
 - b) foramen spinosum
 - c) foramen lacerum
 - d) groove of greater petrosal nerve
 - e) foramen magnum
- 21- Which of the following transmits a nerve branch to the meninges?
- a) foramen spinosum
 - b) mastoid foramen
 - c) jugular foramen
 - d) foramen magnum
 - e) foramen oval

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- 22- Which of the following is NOT a muscle of facial expression?
- a) platysma
 - b) nasalis
 - c) frontal belly of occipitofrontalis
 - d) orbicularis oculi
 - e) temporalis
- 23- The mentalis does which of the following?
- a) elevates eyebrows and skin of forehead
 - b) functions as a sphincter of oral opening
 - c) elevates lip upper limb and dilates nostril
 - d) elevates and protrudes lower lip
 - e) draws ala of nose toward nasal septum
- 24- The facial nerve innervates all of the following EXCEPT
- a) procerus
 - b) corrugator supercilii
 - c) masseter
 - d) depressor angulioris
 - e) zygomaticus major
- 25- Which of the following cutaneous nerves is derived from the ophthalmic nerve?
- a) external nasal nerve
 - b) infraorbital nerve
 - c) zygomaticotemporal nerve
 - d) zygomaticofacial nerve
 - e) auriculotemporal nerve
- 26- Which of the following does NOT insert on the angle of the mouth?
- a) platysma
 - b) buccinator
 - c) risorius
 - d) zygomaticus major
 - e) depressor septi
- 27- The maxillary nerve gives off branches to which of the following ganglia?
- a) otic ganglion
 - b) ciliary ganglion
 - c) submandibular ganglion
 - d) pterygopalatine ganglion
 - e) geniculate ganglion
- 28- . The temporal branch of CN VII does NOT innervate which of the following?
- a) auricularis superior
 - b) auricularis anterior

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- c) occipitofrontalis (frontal belly)
- d) orbicularis oculi (superior part)
- e) orbicularis oculi (inferior part)

29- Which of the following is NOT a branch of the facial artery?

- a) inferior labial artery
- b) superior labial artery
- c) lateral nasal artery
- d) angular artery
- e) retromandibular artery

30- Which of the following is NOT contained within the parotid gland?

- a) facial nerve
- b) facial artery
- c) retromandibular vein
- d) parotid lymph nodes
- e) branches of the facial nerve

31- Parasympathetic fibers from CN IX travel to the parotid gland via which of the following nerves?

- a) auriculotemporal nerve
- b) great auricular nerve
- c) directly from the glossopharyngeal nerve
- d) external carotid nerve plexus
- e) retromandibular nerve

32- Parasympathetic fibers from CN IX synapse in which ganglion before traveling to the parotid gland?

- a) otic ganglion
- b) ciliary ganglion
- c) submandibular ganglion
- d) pterygopalatine ganglion
- e) trigeminal ganglion

33- Which of the following foramina is unpaired?

- a) foramen lacerum
- b) greater palatine foramen
- c) foramen cecum
- d) lesser palatine foramen
- e) pterygoid canal

34- Which of the following best describes the path- way of parasympathetic fibers to the lacrimal gland?

- a) CN VII . . . greater petrosal nerve . . . nerve of the pterygoid canal . . . pterygopalatine ganglion . . . zygomatic branch of V2 . . . lacrimal branch of V1
- b) CN IX . . . lesser petrosal nerve . . . nerve of the pterygoid canal . . . pterygopala- tine ganglion . . . infraorbital branch of V2 . . . lacrimal branch of V1
- c) CN VII . . . greater petrosal nerve . . . otic ganglion . . . infraorbital branch of V2 . . . lacrimal

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branch of V1

- d) CN VII . . . deep petrosal nerve . . . nerve of the pterygoid canal . . . pterygopalatine ganglion . . . infratrochlear branch of V2 . . . lacrimal branch of V1
- e) CN V . . . ophthalmic branch of V1 . . . lacrimal branch of V1

35- Which of the following is NOT a branch of the first (mandibular) part of the first part of the maxillary artery?

- a) deep auricular
- b) anterior tympanic
- c) middle meningeal and accessory meningeal
- d) inferior alveolar
- e) descending palatine

36- Which of the following is NOT a branch of the second (pterygoid) part of the maxillary artery?

- a) deep temporal
- b) labyrinthine
- c) pterygoid
- d) masseteric
- e) buccal

37- The temporomandibular joint is what type of joint?

- a) fibrous joint
- b) cartilaginous joint
- c) modified hinge-type synovial joint
- d) pivot-type synovial joint
- e) saddle-type synovial joint

38- Which of the following is correct in respect to the hard palate?

- a) The hard palate is composed primarily of the maxillary bones.
- b) The incisive canal and foramen transmit the incisive nerves and greater palatine vessels.
- c) The greater palatine foramen transmits the nasopalatine nerves and greater palatine nerve.
- d) The lesser palatine foramina transmit the lesser palatine nerves but not the lesser palatine vessels.
- e) The descending palatine artery is a branch of the internal carotid artery.

39- Which of the following palate muscles is NOT innervated by the cranial part of the accessory nerve through a pharyngeal branch of the vagus nerve via the pharyngeal plexus?

- a) levator veli palatini
- b) tensor veli palatini
- c) palatoglossus
- d) palatopharyngeus
- e) musculus uvulae

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- 40- Which of the following is NOT a type of lingual papilla?
- a) vallate papillae
 - b) foliate papillae
 - c) bacilliform papillae
 - d) filiform papillae
 - e) fungiform papillae
- 41- Which of the following muscles is NOT innervated by the hypoglossal nerve?
- a) genioglossus
 - b) hyoglossus
 - c) styloglossus
 - d) palatoglossus
 - e) intrinsic muscles of the tongue
- 42- Which of the following tongue muscles is correctly paired with its action?
- a) superior and inferior longitudinal . . . curls tip and sides of tongue and shortens tongue
 - b) transverse . . . flattens and broadens tongue
 - c) vertical . . . narrows and elongates tongue
 - d) genioglossus and hyoglossus . . . elevates posterior part of tongue
 - e) palatoglossus . . . depresses and retracts tongue
- 43- How do parasympathetic and taste fibers from the chorda tympani reach their destination?
- a) via the lingual nerve, a branch of the mandibular division of the trigeminal nerve
 - b) via the lingual nerve, a branch of the glossopharyngeal nerve
 - c) via the lingual nerve, a branch of the vagus nerve
 - d) via intermingled fibers in the otic ganglion
 - e) via the submandibular nerve, a branch of the hypoglossal nerve
- 44- Which of the following is NOT correct?
- a) The parotid gland is supplied by branches of the external carotid and superficial temporal arteries.
 - b) The submandibular gland is supplied by the submental artery.
 - c) The submandibular gland is innervated by the parasympathetic fibers of the glossopharyngeal nerve that synapsed in the submandibular ganglion.
 - d) The sublingual glands are supplied by the sublingual and submental arteries.
 - e) The sublingual glands are innervated by parasympathetic fibers of the facial nerve.
- 45- . Which of the following is NOT an opening to the pterygopalatine fossa?
- a) pterygomaxillary fissure
 - b) sphenopalatine foramen
 - c) inferior orbital fissure
 - d) foramen ovale
 - e) foramen rotundum

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- 46- Which of the following paranasal sinuses communicates with the nasal cavity in the superior meatus?
- a) posterior ethmoidal sinuses
 - b) frontal sinus
 - c) middle ethmoidal sinuses
 - d) sphenoidal sinus
 - e) maxillary sinus
- 47- Where does the nasolacrimal duct communicate with the nasal cavity?
- a) superior meatus
 - b) middle meatus
 - c) inferior meatus
 - d) nasopharynx
 - e) sphenoidal sinus
- 48- Which of the following does NOT supply the medial and lateral walls of the nasal cavity?
- a) sphenopalatine artery
 - b) anterior and posterior ethmoidal arteries
 - c) greater palatine artery
 - d) infraorbital artery
 - e) superior labial artery
- 49- Which fascial layer is NOT correctly matched with the structures it encloses?
- a) superficial cervical fascia . . . platysma
 - b) investing layer of deep cervical fascia . . . trapezius and sternocleidomastoid
 - c) pretracheal layer of deep cervical fascia . . . suprahyoid muscles
 - d) prevertebral layer of deep cervical fascia . . . longuscolli, longuscapitis, scalenes, deep cervical muscles
 - e) carotid sheath . . . carotid arteries, internal jugular vein, vagus
- 50- The anterior triangle of the neck does NOT contain which of the following smaller triangles?
- a) supraclavicular triangle
 - b) submandibular triangle
 - c) submental triangle
 - d) carotid triangle
 - e) muscular triangle
- 51- Which of the following is innervated by the trigeminal nerve?
- a) mylohyoid
 - b) geniohyoid
 - c) stylohyoid
 - d) posterior belly of the digastric
 - e) thyrohyoid

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- 52- Which of the following contains PAIRED laryngeal cartilages?
- a) thyroid, cricoid, epiglottic
 - b) arytenoid, corniculate, cuneiform
 - c) arytenoid, cricoid, epiglottic
 - d) corniculate, cricoid, cuneiform
 - e) cuneiform, corniculate, epiglottic
- 53- Which of the following intrinsic laryngeal muscles is NOT innervated by the recurrent laryngeal nerve?
- a) transverse arytenoids
 - b) oblique arytenoids
 - c) cricothyroid
 - d) posterior cricoarytenoid
 - e) lateral cricoarytenoid
- 54- Which of the following abducts the vocal fold?
- a) vocalis
 - b) transverse arytenoids
 - c) oblique arytenoids
 - d) thyroarytenoid
 - e) posterior cricoarytenoid
- 55- Which of the following has an insertion on the pharyngeal tubercle of the occipital bone?
- a) superior constrictor
 - b) middle constrictor
 - c) palatopharyngeus
 - d) salpingopharyngeus
 - e) stylopharyngeus
- 56- The inferior alveolar nerve is best blocked at which location for dental work?
- a) mental foramen
 - b) greater palatine foramen
 - c) less palatine foramen
 - d) mandibular foramen
 - e) lingual foramen
- 57- The facial veins make clinically important connections with the cavernous sinus through which veins?
- a) lingual veins
 - b) trigeminal veins
 - c) superior ophthalmic veins
 - d) great cerebral vein
 - e) meningeal veins

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- 58- Which part of disc is articulate with condyle and fossa of TMJ?
- a) Anterior band
 - b) Intermediate zone
 - c) Posterior band
 - d) Bilaminar zone
- 59- Which of the following muscles does open the jaw?
- a) Temporalis
 - b) medial pterygoid
 - c) lateral pterygoid
 - d) masseter
- 60- The facial nerve leaves the petrous portion of the temporal bone via the hiatus of the facial canal near the foramen lacerum and then enters the pterygoid canal (vidian canal) of the sphenoid bone. Here it is joined by the _____ nerve.

End of Questions
Good Luck

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Answer Sheet

الإجابة	رقم السؤال	الإجابة	رقم السؤال	الإجابة	رقم السؤال	الإجابة	رقم السؤال
	46		31		16		1
	47		32		17		2
	48		33		18		3
	49		34		19		4
	50		35		20		5
	51		36		21		6
	52		37		22		7
	53		38		23		8
	54		39		24		9
	55		40		25		10
	56		41		26		11
	57		42		27		12
	58		43		28		13
	59		44		29		14
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