

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University) , SALEM

BDS DEGREE EXAMINATION – July 2021

First Year

GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY
AND HISTOLOGY
SECTION A

Time: Twenty Minutes

Maximum: 20 marks

Register Number :

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Signature of the candidate

Signature of the Invigilator

Instructions to the candidates

1. Write your Register Number and sign at the place specified on the first page of this Question Booklet.
2. Do not open this question booklet until Invigilator announces the commencement of the examination.
3. Answer ALL the Twenty questions. They carry equal marks. No negative marking for wrong answers.
4. Answers should be marked legibly in the SHEET provided in capital letters.
5. THE QUESTION BOOKLET SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL.
6. Questions should not be copied and taken out of the Examination Hall. Any one found violating this rule shall not be permitted to write the examination and shall be sent out of the Hall.
7. At the end of 20 minutes, when the Invigilator announces 'STOP WRITING' you must stop writing immediately. If the candidate tries to attempt to answer the questions after the prescribed time, their answer script becomes invalid.
8. Hand over the questions booklet containing answer sheet to the invigilator when you finish answering or immediately after 20 minutes.

**GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY
AND HISTOLOGY**

SECTION-A (20X1=20 MARKS)

(Multiple choice questions)

Time: Twenty Minutes

Maximum: 20 marks

Select the most appropriate answer and answer in the answer sheet attached:

1. The periosteal arteries are derived from
 - A. A major artery passing near the bone
 - B. Anastomosis around the joint
 - C. Nutrient artery to the bone
 - D. Muscular arteries of the muscle attached to the bone
2. The investing layer of deep cervical fascia splits to enclose:
 - A. Thyroid gland
 - B. Arch of aorta
 - C. Parotid gland
 - D. Submandibular gland
3. Fertilization of ovum takes place in which part of the uterine tube
 - A. Isthmus
 - B. Fimbriae
 - C. Ampulla
 - D. Uterotubal junction
4. The taste sensation from the posterior one-third of the tongue is carried by:
 - A. Chorda tympani
 - B. Lingual nerve
 - C. Hypoglossal nerve
 - D. Glossopharyngeal nerve
5. Which of the following is a derivative of mesoderm?
 - A. Lens of eye
 - B. Cortex of suprarenal gland
 - C. Pituitary gland
 - D. Enamel of teeth
6. The posterior auricular nerve is a branch of:
 - A. Chorda tympani
 - B. Great auricular
 - C. Facial
 - D. Auriculotemporal

(p.t.o.)

7. The cortex of lymph node contains
 - A. Lymphatic nodule
 - B. Periarteriallymphatic sheaths
 - C. Venous sinuses
 - D. Hassal's corpuscles

8. Which of the following is a branch of the maxillary nerve?
 - A. Zygomaticotemporal
 - B. Supratrochlear
 - C. Infratrochlear
 - D. External nasal

9. Which of the following is not covered by a membrane?
 - A. Lysosomes
 - B. Mitochondria
 - C. Nucleus
 - D. Nucleolus

10. The step of mitosis in which the chromosomes line up along the equatorial plane of the cell is called:
 - A. Prophase
 - B. Metaphase
 - C. Anaphase
 - D. Telophase

11. Which of the following muscles lies in the floor of the posterior triangle of neck?
 - A. Scalenus anterior
 - B. Scalenus medius
 - C. Sternocleidomastoid
 - D. Trapezius

12. Tectum is a part of:
 - A. Diencephalon
 - B. Midbrain
 - C. Pons
 - D. Medulla oblongata

13. Von-Ebner's glands are found:
 - A. On the soft palate
 - B. On the lips
 - C. On the cheeks
 - D. On the tongue

14. The superficial temporal and maxillary veins join to form:
- A. Posterior auricular vein
 - B. External jugular vein
 - C. Retromandibular vein
 - D. Internal jugular vein
15. In each posterior gray column of the spinal cord, the group of neurons lying just anterior to the substantia gelatinosa is called:
- A. Nucleus dorsalis
 - B. Nucleus proprius
 - C. Visceral afferent nucleus
 - D. Accessory nucleus
16. The medial branch of the dorsal ramus of C₂ spinal nerve is known as:
- A. Great auricular nerve
 - B. Greater occipital nerve
 - C. Lesser occipital nerve
 - D. Auriculotemporal nerve
17. The muscles of the tongue are derived from:
- A. Myotomes of cervical somites
 - B. 1st pharyngeal arch mesenchyme
 - C. 2nd pharyngeal arch mesenchyme
 - D. Myotomes of occipital somites
18. Killian's dehiscence is the potential gap between _____
- A. Base of skull and Superior constrictor
 - B. Superior constrictor and Middle constrictor
 - C. Middle constrictor and Thyropharyngeus
 - D. Thyropharyngeus and Cricopharyngeus
19. Which connects the two hemispheres of the brain?
- A. Pons
 - B. Piamater
 - C. Corpus callosum
 - D. Diencephalon
20. The oesophagus is lined by:
- A. Simple columnar epithelium
 - B. Simple cuboidal epithelium
 - C. Stratified squamous keratinized epithelium
 - D. Stratified squamous non-keratinized epithelium

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BDS DEGREE EXAMINATION – July 2021

First Year

**GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY
AND HISTOLOGY**

Time : Three hours

Maximum : 70 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 20 marks – 20 minutes to be handed over to the invigilator immediately after 20 minutes

Answer Section B& C in the same answer book

Time: 2 hours 40 minutes

SECTION – B & C

Maximum: 50 marks

SECTION – B

I. Write an Essay on :

(1 x 10 = 10)

1. Describe temporomandibular joint under following headings: (a) Type & Variety, (b) Articular Surface & Ligaments, (c) Movements & Muscles responsible, (d) Blood & Nerve supply, (e) Applied anatomy.

II. Write short notes on :

(3 x 5= 15)

2. Maxillary air sinus
3. Palatine Tonsil
4. Bilaminar germ disc

SECTION – C

III. Write an Essay on:

(1 x 10 = 10)

5. Explain in detail about the parotid gland under the following heading: (a) External feature (b) Parotid capsule (c) Structures within gland (d) Parotid duct (e) Blood supply & nerve supply (f) Lymphatic drainage (g) Development.

IV. Write short notes on :

(3 x 5= 15)

6. External carotid artery
7. Floor of the IVth Ventricle
8. Development of thyroid gland
