

Sl.No. M22007

Course Code : 13118101

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

**BDS DEGREE EXAMINATION – February 2020
First Year**

**GENERAL HUMAN ANATOMY INCLUDING EMBYOLOGY 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 process of conversion of a spermatids to spermatozoon is called
 - A. Spermatogenesis
 - B. Spermatolysis
 - C. Spermiogenesis
 - D. Fertilization

2. Which muscle abducts the vocal cords?
 - A. Cricothyroid
 - B. Oblique arytenoid
 - C. Posterior cricoarytenoid
 - D. Lateral cricoarytenoid

3. Which of the following functions as resistance vessels?
 - A. Elastic Arteries
 - B. Muscular Arteries
 - C. Arterioles
 - D. Capillaries

4. Which cranial nerve passes through the gap between superior and middle constrictor of pharynx?
 - A. Internal laryngeal nerve
 - B. Recurrent laryngeal nerve
 - C. Glossopharyngeal nerve
 - D. Vagus

5. The number of chromosomes in each cell in man is
 - A. Diploid and is 46
 - B. Triploid and is 69
 - C. Haploid and is 23
 - D. Quadraploid and is 92

6. Which of the following is the dangerous area of scalp
 - A. Skin
 - B. Connective tissue
 - C. Loose areolar tissue
 - D. Pericranium

7. Corpus Leuteum is formed by
 - A. Enlargement and transformation of follicular cell
 - B. Transformation of follicular cell
 - C. Shedding of ovum
 - D. Rupture of ovarian follicle

8. All of the following are branches of the external carotid artery except:
 - A. Superior thyroid artery
 - B. Anterior ethmoidal artery
 - C. Occipital artery
 - D. Posterior auricular artery

9. Which of the following belongs to the diathrosis variety of joints?
 - A. Gomphosis
 - B. Synchondrosis
 - C. Synovial joints
 - D. Sutural joints

10. The lining of the primary yolk sac is called
 - A. Amnion
 - B. Epiblast
 - C. Chorion
 - D. Heuser's membrane

11. The largest bundle of commissural fibres in the brain is called
 - A. Anterior commissure
 - B. Posterior commissure
 - C. Habenular commissure
 - D. Corpus Callosum

12. The alar ligaments connect the
 - A. Bodies of the axis to foramen magnum
 - B. Dens to occipital condyle
 - C. Adjacent vertebral bodies posteriorly
 - D. Tips of adjacent spinous processes

13. The intercalated ducts of the salivary glands is lined by
 - A. Tall columnar epithelium
 - B. Low cuboidal epithelium
 - C. Simple squamous epithelium
 - D. Stratified cuboidal epithelium
14. Among the following which one is the 'end artery'?
 - A. Vertebral artery
 - B. Ophthalmic artery
 - C. Anterior cerebral artery
 - D. Central artery of retina
15. Incomplete fusion of two medial nasal swellings result in the production of
 - A. Oblique facial cleft
 - B. Lateral cleft of the upper lip
 - C. Medial cleft of the upper lip
 - D. Microstomia
16. The skin of the angle of the mandible is supplied by
 - A. Auriculotemporal nerve
 - B. Greater auricular nerve
 - C. Infraorbital nerve
 - D. Mental nerve
17. The lymphatics of the palatine tonsil drain into
 - A. Jugulo omhyoid lymph nodes
 - B. Jugulo diagastric lymph nodes
 - C. Retropharyngeal lymph nodes
 - D. Posterior auricular lymph nodes
18. The inferior horn of lateral ventricle extends into
 - A. Frontal lobe of the cerebral hemisphere
 - B. Parietal lobe of the cerebral hemisphere
 - C. Temporal lobe of the cerebral hemisphere
 - D. Occipital lobe of the cerebral hemisphere
19. Which of the following muscle is a derivative of third pharyngeal arch?
 - A. Mylohyoid
 - B. Tensor tympani
 - C. Stylopharyngeus
 - D. Stylohyoid
20. The primary motor area is located in the
 - A. Precentral gyrus
 - B. Postcentral gyrus
 - C. Middle frontal gyrus
 - D. Middle temporal gyrus.

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**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
SECTION – B**

Maximum : 50 marks

I. Write an Essay on :

(1 x 10 = 10)

1. Describe the tongue under the following headings :

- a) Gross features b) Muscles c) Blood supply d) Nerve supply
e) Lymphatic drainage f) Applied aspect g) Development.

II. Write short notes on :

(3 x 5 = 15)

2. Temporomandibular joint
3. Intracranial course of facial nerve
4 Derivatives of 1st pharyngeal arch

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Define venous sinuses and name the paired and unpaired venous sinuses.

Describe the cavernous sinus under the following headings :

- a) Introduction b) Relations c) Structures related to it d) Tributaries and
e) Communications f) Clinical aspect.

IV. Write short notes on :

(3 x 5 = 15)

6. Circle of Willis
7. Histology of thymus
8. Carotid triangle.