

Sl.No. M22003

Course Code : 161321T01

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

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

**GENERAL 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**

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**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 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. Auriculotemporal nerve is a branch of

- A. Main trunk of mandibular
- B. Anterior division of mandibular
- C. Posterior division of mandibular
- D. Inferior alveolar

2. Anterior ethmoidal air sinus opens into

- A. Highest meatus
- B. Superior meatus
- C. Middle meatus
- D. Inferior meatus

3. Neurohypophysis is the

- A. Anterior lobe
- B. Infundibulum
- C. Pars tuberalis
- D. Posterior lobe

4. The ligament which separates parotid from submandibular gland is

- A. Sphenomandibular
- B. Stylomandibular
- C. Pterygomandibular raphe
- D. Lateral ligament

5. Phlebitis is the inflammation of

- A. Artery
- B. Vein
- C. Lymph vessel
- D. Nerve

6. Coronary sinus opens into

- A. Right atrium
- B. Right ventricle
- C. Left atrium
- D. Left ventricle

7. Pseudostratified ciliated columnar epithelium lines

- A. Trachea
- B. Tongue
- C. Skin
- D. Cornea

8. Subcapsular sinus is a feature of

- A. Spleen
- B. Tonsil
- C. Thymus
- D. Lymph node

9. Fertilisation normally takes place in

- A. Ampulla of fallopian tube
- B. Cervix
- C. Body of uterus
- D. Vagina

10. The number of chromosomes in human somatic cells are

- A. 42
- B. 44
- C. 46
- D. 48

11. The branch given by external carotid artery at the level of tip of greater horn of hyoid is

- A. Superior thyroid
- B. Lingual
- C. Facial
- D. Occipital

12. The muscle which is supplied by two cranial nerves

- A. Omohyoid
- B. Digastric
- C. Stylohyoid
- D. Geniohyoid

13. Suboccipital nerve is the

- A. Ventral ramus of C1
- B. Dorsal ramus of C2
- C. Ventral ramus of C2
- D. Dorsal ramus of C1

14. Common facial vein drains into

- A. External jugular
- B. Internal jugular
- C. Retromandibular
- D. Subclavian

15. Demilunes are present in

- A. Submandibular gland
- B. Thyroid gland
- C. Lacrimal gland
- D. Parotid gland

16. Purkinje cells are present in

- A. Cerebrum
- B. Spinal cord
- C. Cerebellum
- D. Midbrain

17. Charcot's artery is a branch of

- A. Anterior cerebral
- B. Middle cerebral
- C. Posterior cerebral
- D. Posterior communicating

-- (4) --

18. The lower vertebral extent of spinal cord is

- A. T11
- B. L5
- C. L3
- D. L1

19. Stapes is a derivative of one of the following arch

- A. First
- B. Second
- C. Third
- D. Fourth

20. Nerve of the second pharyngeal arch is

- A. Glossopharyngeal
- B. Mandibular
- C. Facial
- D. Recurrent laryngeal

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

**GENERAL 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 the temporomandibular joint under the following headings

- a) Type and articular surfaces
- b) Ligaments
- c) Movements and muscles producing
- d) Applied anatomy

II. Write short notes on : (3 x 5 = 15)

- 2. Relations of cavernous sinus
- 3. Movements of eyeball
- 4. Microstructure of hyaline cartilage

**SECTION – C**

III. Write an Essay on : (1 x 10 = 10)

5. Describe the posterior triangle of neck under the following headings

- a) Boundaries
- b) Subdivisions
- c) Contents
- d) Applied aspects

IV. Write short notes on : (3 x 5 = 15)

- 6. Cartilages of larynx
- 7. Relations of thyroid gland
- 8. Derivatives of second pharyngeal arch