

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

**BDS DEGREE EXAMINATION – August 2019  
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**

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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 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. Best example of an absolute End- artery is
  - A. Metaphyseal artery
  - B. Cerebral arteries
  - C. Coronary arteries
  - D. Central artery of retina
  
2. All of the following are commonest site of fracture of mandible except
  - A. Angle of mandible
  - B. Neck of mandible
  - C. Canine region of mandible
  - D. Symphysis menti
  
3. Somites develop into
  - A. Sclerotome
  - B. Dermatome
  - C. Myotome
  - D. All
  
4. Articular cartilage are made of
  - A. Hyaline cartilage
  - B. Elastic cartilage
  - C. White fibrocartilage
  - D. None
  
5. All the following nerves innervate posterior quadrant of scalp except
  - A. Auriculotemporal nerve
  - B. Great auricular
  - C. Greater occipital
  - D. Lesser occipital

6. All are examples of pneumatic bones except
  - A. Maxilla
  - B. Mandible
  - C. Sphenoid
  - D. Ethmoid
  
7. Tonsillar bed is formed by the following structures except
  - A. Pharyngo-basilar fascia
  - B. Stylopharyngeus
  - C. Superior constrictor
  - D. Styloglossus
  
8. Barr body is absent in
  - A. Turner syndrome
  - B. Klinefelter syndrome
  - C. xxx syndrome
  - D. Normal female
  
9. The uveal tract consists of following structures except
  - A. Iris
  - B. Choroid
  - C. Ora serrata
  - D. Ciliary body
  
10. Secondary oocyte completes its second meiotic division
  - A. After puberty
  - B. After fertilization
  - C. After ovulation
  - D. After birth
  
11. All the sinuses begin to develop before birth except
  - A. Ethmoid sinus
  - B. Maxillary sinus
  - C. Frontal sinus
  - D. Sphenoidal sinus
  
12. 'Suprasternal space of burns' contains all the following structures except
  - A. Jugular venous arch
  - B. Interclavicular ligament
  - C. Terminal parts of external jugular vein
  - D. Sternal heads of sternocleidomastoid muscle

(p.t.o.)

(Sl.No. M21502)

13. Most common cleft lip is
  - A. Unilateral cleft of upper lip
  - B. Median cleft of lower lip
  - C. Bilateral cleft lip
  - D. Hair lip
14. Thyrohyoid muscle is supplied by
  - A. Superior root of ansa cervicalis
  - B. Inferior root of ansa cervicalis
  - C. Ventral ramus of first cervical nerve through hypoglossal nerve
  - D. Ventral ramus of first cervical nerve through superior laryngeal nerve
15. The most abundant papillae on dorsum of tongue
  - A. Filiform
  - B. fungiform
  - C. Foliate
  - D. Vallate
16. Vocal folds lie in cadaveric position if following nerves are involved
  - A. Internal laryngeal nerve of both sides
  - B. External laryngeal nerve of both sides
  - C. External laryngeal of right side & internal laryngeal nerve of left side
  - D. External & internal laryngeal nerve of both sides
17. All of the following are lined by stratified squamous epithelium except
  - A. Anterior surface of epiglottis
  - B. Lower half of posterior surface of epiglottis
  - C. Upper part of ary-epiglottic folds
  - D. Vocal folds
18. Cerebrospinal fluid is formed mainly by
  - A. Choroid plexus in lateral ventricle
  - B. Choroid plexus in third ventricle
  - C. Choroid plexus in fourth ventricle
  - D. Ependyma of ventricles
19. Select the incorrect statement about internal jugular vein
  - A. Begins as direct continuation of sigmoid sinus
  - B. Presents two dilatations
  - C. Crossed by two muscles on its superficial aspect
  - D. Lower part lies in supraclavicular fossa
20. All the following are intracerebellar nuclei except
  - A. Dentate nucleus
  - B. Fastigial nucleus
  - C. Globose nucleus
  - D. Red nucleus

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**BDS DEGREE EXAMINATION – AUGUST 2019  
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  
SECTION – B**

Maximum : 50 marks

**I. Write an Essay on :**

**(1 x 10 = 10)**

1. Mention the boundaries and contents of infratemporal fossa. Describe in detail origin, insertion, nerve supply and action of muscles of mastication.

**II. Write short notes on :**

**(3 x 5 = 15)**

2. Histology of lymph node
3. Development of notochord
4. Middle ear-boundaries & contents

**SECTION – C**

**III. Write an Essay on :**

**(1 x 10 = 10)**

5. Describe thyroid gland under following
  - a) Gross features
  - b) Histology
  - c) Development
  - d) Applied anatomy

**IV. Write short notes on :**

**(3 x 5 = 15)**

6. Carotid triangle-boundaries & contents
7. Oblique facial cleft
8. Circle of Willis