

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

**BDS DEGREE EXAMINATION –September 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.**

Sl.No. M21005

Course Code : 13118101

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. Transitional epithelium is seen in
 - A. Stomach
 - B. Lungs
 - C. Tongue
 - D. Ureter
2. Tracheal cartilage is
 - A. Hyaline cartilage
 - B. Elastic cartilage
 - C. Fibrous cartilage
 - D. Articular cartilage
3. Which cells develops into mature bone cell?
 - A. Osteocytes
 - B. Osteoblasts
 - C. Osteoclasts
 - D. Osteon
4. Turner's syndrome Karyotype is
 - A. 47XXY
 - B. 45X
 - C. 47XX (TRISOMY21)
 - D. 47XY(TRISOMY 18)
5. Condylar joints are
 - A. Uniaxial
 - B. Biaxial
 - C. Multiaxial
 - D. Symphysis
6. Ciliary ganglion is placed in the course of
 - A. Optic Nerve
 - B. Abducent Nerve
 - C. Trochlear Nerve
 - D. Oculomotor Nerve
7. Superior oblique muscle is supplied by which nerve?
 - A. Optic Nerve
 - B. Abducent Nerve
 - C. Trochlear Nerve
 - D. Oculomotor Nerve
8. Nasolacrimal duct opens into which nasal meatus?
 - A. Superior
 - B. Middle
 - C. Inferior
 - D. Sphenoethmoidal recess
9. Auditory tube connects middle ear cavity with
 - A. Nasal cavity
 - B. Nasopharynx
 - C. Oral cavity

-- (2) --

10. All intrinsic muscles of larynx are supplied by recurrent laryngeal nerve except
 - A. Cricothyroid
 - B. Lateral cricoarytenoid
 - C. Thyroarytenoid
 - D. Vocalis
11. The first permanent tooth to erupt is
 - A. First Molar
 - B. First Premolar
 - C. Second Molar
 - D. Canine
12. Brunner's glands are seen in histology of
 - A. Stomach
 - B. Duodenum
 - C. Jejunum
 - D. Ileum
13. Epithelium of tongue develops from all the following arches except
 - A. I arch
 - B. II arch
 - C. III arch
 - D. IV arch
14. Forehead develops from
 - A. Frontonasal process
 - B. Lateral nasal process
 - C. Maxillary process
 - D. Mandibular process
15. Thyroid gland is related medially to following structures except
 - A. Trachea
 - B. External laryngeal nerve
 - C. Oesophagus
 - D. Vagus Nerve
16. Which one is a branch of subclavian artery?
 - A. Subscapular artery
 - B. Inferior thyroid artery
 - C. Suprascapular artery
 - D. Vertebral artery
17. Wry neck is a condition due to spasm of
 - A. Trapezius muscle
 - B. Omohyoid muscle
 - C. Sternocleidomastoid muscle
 - D. Digastric muscle
18. Horner's syndrome produces all symptoms except
 - A. Partial ptosis
 - B. Miosis
 - C. Anhidrosis
 - D. Exophthalmos
19. Which part of vertebral artery lies in the suboccipital triangle?
 - A. 1 st
 - B. 2 nd
 - C. 3 rd
 - D. 4 th
20. In spinal cord, myelin sheath is formed by
 - A. Schwann cells
 - B. Oligodendrocytes
 - C. Astrocytes
 - D. Microglia

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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 position, extent, relations, tributaries and applied anatomy of Cavernous sinus. (1+1+3+3+2)

II. Write short notes on :

(3 x 5 = 15)

2. Histology of Bone.
3. Meckel's Cartilage.
4. Maxillary Sinus.

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Describe origin, course, branches and distribution of Mandibular nerve. Add a note on Mandibular block. (1+2+2+3+2)

IV. Write short notes on :

(3 x 5 = 15)

6. Hypoglossal Nerve.
7. Development of tooth.
8. Lingual artery.
