

Sl.No. M21917

Course Code : 161021T01

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

MBBS DEGREE EXAMINATION – October 2019

First Year

HUMAN ANATOMY - PAPER I

SECTION A

Time: Fifteen Minutes

Maximum: 15 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 Fifteen 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 15 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 15 minutes.**

HUMAN ANATOMY - PAPER I

SECTION-A (15X1-15 MARKS)

(Multiple choice questions)

Time: Fifteen Minutes

Maximum: 15 marks

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

1. Adductor pollicis is supplied by:
 - A. Median nerve
 - B. Ulnar nerve
 - C. Radial nerve
 - D. Musculocutaneous nerve

2. Which of the following produces inversion at the subtalar joint?
 - A. Peroneus longus
 - B. Peroneus tertius
 - C. Peroneus brevis
 - D. Tibialis anterior

3. Lymphatics from glans penis drain into:
 - A. Deep inguinal nodes
 - B. External iliac nodes
 - C. Superficial inguinal nodes
 - D. Internal iliac nodes

4. Ovarian artery is a branch of:
 - A. Internal iliac artery
 - B. External iliac artery
 - C. Common iliac artery
 - D. Abdominal aorta

5. Ligamentum teres is a morphological remnant of:
 - A. Left umbilical artery
 - B. Obliterated left umbilical vein
 - C. Ductus venosus
 - D. Lesser omentum

(p.t.o.)

6. Inferior mesenteric vein drains into:
- A. Splenic vein
 - B. Inferior vena cava
 - C. Portal vein
 - D. Superior mesenteric vein
7. Appendices epiploicae are seen in:
- A. Ileum
 - B. Appendix
 - C. Colon
 - D. Stomach
8. Which of following **does not** converge in the perineal body?
- A. External anal sphincter
 - B. Internal anal sphincter
 - C. Levatorani
 - D. Bulbospongiosus
9. Root value of pudendal nerve is:
- A. S₂, S₃, S₄
 - B. L₃, L₄, L₅
 - C. S₁, S₂, S₃
 - D. L₄, L₅, S₁
10. Which of the following is an irregular bone?
- A. Humerus
 - B. Femur
 - C. Radius
 - D. Vertebra
11. Capacitation of sperm occurs in:
- A. Testis
 - B. Epididymis
 - C. Female genital tract
 - D. Ductus deferens

12. Intercalated disc is a microscopic feature of:

- A. Skeletal muscle
- B. Muscular artery
- C. Smooth muscle
- D. Cardiac muscle

13. Brunner's glands are seen in:

- A. Stomach
- B. Oesophagus
- C. Duodenum
- D. Ileum

14. Meckel's diverticulum is a remnant of :

- A. Mesonephric duct
- B. Vitello-intestinal duct
- C. Paramesonephric duct
- D. Allantoic diverticulum

15. Single palmar crease is a clinical feature of:

- A. Down's syndrome
- B. Turner's syndrome
- C. Anencephaly
- D. Klinefelter's syndrome

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First Year

HUMAN ANATOMY – PAPER I

Time : Three hours

Maximum : 80 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 15 marks – 15 minutes to be handed over to the invigilator immediately after 15 minutes

Answer Section B in the same answer book

Time : 2 hours 45 minutes

SECTION – B

Maximum : 65 marks

I. Write essays on :

(2 x 15 = 30)

1. Describe the shoulder joint in detail under the following headings: a) articulating ends
b) ligaments stabilising the joint c) relations d) movements and muscles producing them e) applied anatomy.

(2+3+2+5+3=15)

2. Describe the uterus in detail under the following headings:
a) situation, shape and normal position b) relations c) supports
d) development e) histology f) applied anatomy.

(3+2+4+1+2+3=15)

II. Short notes on :

(5 x 5=25)

3. Cubital fossa
4. Stomach bed
5. Ossification of bone
6. Spermatogenesis
7. Histology of skeletal muscle

III. Answer briefly on :

(5 x 2 = 10)

8. Name the structures piercing clavipectoral fascia
9. Mention the structures related to hilum of spleen
10. Write the formation and termination of great saphenous vein
11. Mention the structures piercing perineal membrane in males
12. Mention any **FOUR** clinical features of Turner's syndrome.