

First M.B.B.S. (New Course) Examination

Anatomy

Paper-II

Date : 20-10-2020, Tuesday]

[Max. Marks : 100

[Time : 3 Hours

- Instructions :**
- (1) Answer to the point.
 - (2) Figure to the right indicates marks.
 - (3) Draw diagrams wherever necessary.
 - (4) Write legibly.
 - (5) Use separate answer books for each section.

Section-1**Q-1 Write the following Structured Long Question (Any 1 out of 2)****1x10=10**

1. Describe type, relations, ligaments, muscles responsible for the movement and applied anatomy of the Hip joint. (1+2+2+2+3)
- ✓ 2. Describe origin, insertion, nerve supply, actions and applied anatomy of Hamstring Muscles. (2+2+2+2+2)

Q-2 (a) Write the following Case based scenario/Applied Short notes. (Any 2 out of 3) 2x6=12

- ✓ 1. A 30 year- old man complained of pain around the umbilicus for two days. Then his pain is shifted to the right iliac fossa and became severe. (1+3+2)
 - ✓ a. What is your suspicion about the condition?
 - ✓ b. How is the position of the organ related to pain? Write its anatomical basis.
 - ✓ c. What is relationship of McBurney's point to the condition?
- ✓ 2. A 25 year old man came to the clinic with complaints of numbness over the right first interdigital cleft for about 2 months. He also had difficulty in walking and had dragged his right foot; he felt his right foot was drooping down and because of this he was tripping whenever he tried to walk fast. On examination, there was no swelling, no edema or discoloration. the second time the man came in, the physician noticed a few pressure marks and the man said he had just removed his shoes. (1+3+2)
 - ✓ a. What is the most probable cause for the numbness and difficulty in walking?
 - ✓ b. When the man said he was dragging his foot, what condition would you have expected? What is the confirmation? Write its anatomical bases in detail.
 - ✓ c. How would you rule out anterior compartment syndrome or any other?
3. Describe Clinical correlation of Pleura.

[P.T.O.]

Q-2 (b) Write Short Notes (Any 3 out of 4)

3x6=18

1. Karyotyping
2. Histology of Stomach
3. Fertilization
4. Development of Interatrial Septum

Q-3 Answer only in 2-3 sentences (Any 5 out of 6)

5x2=10

1. What is genetic Counselling?
2. Write histological features of pancreas.
3. Which are the derivatives of Neural crest?
4. Write embryological basis of fallot's tetralogy.
5. Which are the remnants of Notochord?
6. What is Red pulp and White pulp of Spleen?

Section -2

Q-4 Write the following Structured Long Question (Any 1 out of 2)

1x10=10

1. Describe gross anatomy (relations, interior, blood supply, nerve supply) and applied anatomy of Anal canal. (2+2+2+2+2)
2. Describe various sites of Portocaval anastomosis and its associated clinical conditions. (5+5)

Q-5 (a) Write Short Notes (Any 2 out of 3)

2x6=12

1. Coeliac trunk
2. Rectus sheath
3. Femoral artery

Q-5 (b) Write Short Notes (Any 3 out of 4)

3x6=18

1. Broncho pulmonary segments
2. Left coronary artery
3. Respiratory movements
4. Azygos vein

Q-6 Answer only in 2-3 sentences (Any 5 out of 6)

5x2=10

1. Enumerate the tributaries of Coronary sinus.
2. Define Plural effusion. Which is the preferred site for the plural tapping?
3. Enumerate the contents of spermatic cord.
4. Give anatomical basis of spread of carcinoma of prostate to vertebral column.
5. What is hybrid muscle? Give two examples.
6. Which are the abductors and medial rotator of the thigh? Write their Nerve supply.