

First Year MBBS Examination

I MBBS Anatomy Paper 2

Time: 3 hours

Max Marks: 100

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

Section 1

1. Write following structured long question (any 1 out of 2) (10)
 - a. Answer the following regarding knee joint- (2+2+4+3+3)
 - i. Bones participating to form the joint
 - ii. Reason to classify it as compound joint and complex joint
 - iii. Locking and unlocking movement
 - iv. Write about any two clinically important bursae around knee joint
 - ~~b. Answer the following regarding femoral~~

triangle (4+3+3)

- i. The structures forming its boundaries and floor with suitable diagram
- ii. The contents
- iii. The femoral hernia

2. Case based scenario/ Applied short note (any 2 out of 3) (12)

- a. A middle aged man presents in OPD with complaints of tortuous veins with dull ache in both legs. (1+2+3)
 - i. What is the condition he is suffering from?
 - ii. How are the superficial veins connected to deep veins of leg?
 - iii. What are the anatomical factors preventing the development of this disease?
- b. An elderly multigravida woman presents in gynaecology OPD with the complaints of something coming out per vagina. (1+3+2)
 - i. What is the most probable condition she is suffering from?
 - ii. Write briefly about the factors for support of uterus.
 - iii. Write briefly about the blood supply of uterus.
- c. A hypertensive and dyslipidaemic patient presents with severe chest pain, sweating in emergency room. (1+2.5+2.5)
 - i. What is the most probable condition he is

suffering from?

- ii. What do you mean by cardiac dominance?
 - iii. Why pain is often radiated to inner side of left arm in this condition?
3. Write Short notes (any 3 out of 4) $3 \times 6 = 18$ (18)
- a. Turner's Syndrome
 - b. Development of interatrial septum
 - c. Liver acinus of Rappaport
 - d. Cadaver as first teacher
4. Answer in 2-3 sentences (any 5 out of 6) $5 \times 2 = 10$ (10)
- a. Enumerate the anomalies of Tetralogy of Fallot
 - b. Enumerate two autosomal dominant diseases
 - c. Enumerate the cells present in gastric glands
 - d. Enumerate any two congenital anomalies of hind gut
 - e. Enumerate any two derivatives of paramesonephric duct
 - f. Spermiogenesis

Section 2

1. Write following structured long question (any 1 out of 2) (10)
- a. A fatty lady aged 45 years with prolonged history of hyperacidity and dyspepsia was

brought to hospital with acute pain in epigastrium and right shoulder.

(1+4+2+2+3+2)

- i. What is the most probable condition she is suffering from?
- ii. Explain the reason for pain radiating to right shoulder joint.
- iii. Write a note on Callotâ€™s triangle
- iv. Write briefly about gross anatomy of gall bladder.
- v. Add a note on blood supply of gall bladder.
- b. An infant has been diagnosed to have only one kidney. (5+4+3+2)
 - i. Discuss briefly about various congenital anomalies of kidney.
 - ii. Write about the level of normal constrictions of ureter.
 - iii. Enumerate the arteries supplying the ureter.
2. Write short note (any 2 out of 3) 2x6=12 (12)
 - a. Levator ani muscle
 - b. Rectus sheath
 - c. Hamstring muscle
3. Write Short notes (any 3 out of 4) 3x6=18 (18)
 - a. Broncho-pulmonary segments
 - b. Coronary sinus
 - c. Superior mediastinum
 - d. Interior of right atrium

4. Answer in 2-3 sentences (any 5 out of 6)

5x2=10 (10)

- a. Enumerate the structures passing through aortic opening of the diaphragm
- b. Enumerate any four sites of porto-caval anastomosis
- c. Enumerate any four arteries supplying stomach
- d. Enumerate the muscles responsible for inversion
- e. Specify the reason for 2nd intercostal space to be atypical
- f. Enumerate the sympathetic nerve supply of rectum

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