

## Previous Papers

## 2K23 Batch Instants

Dr NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – OCTOBER, 2024  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-I**  
(Theory Questions)

Q.P. CODE:M102A010

Time : 2 Hours 40 Minutes  
Note: Answer all questions. Draw diagrammatic representation wherever necessary.

Max. Marks: 80

**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

**STRUCTURED ESSAY QUESTIONS:**

1) Describe the Elbow joint under the following headings:  
Type of the joint, Articulating bones and surfaces, Arterial anastomosis around it, Movements and muscles causing movements in the joint and Applied anatomy

2) Describe the Parotid gland under the following headings:  
Shape and location of the gland, Relations, Nerve supply including secretomotor pathway of the gland, Blood supply and Clinical anatomy

**SHORT ANSWER QUESTIONS:**

3) Classify joints with examples

4) Describe the histology of hyaline cartilage. Compare it with Fibro cartilage.

5) Describe the stages and salient differences between Spermatogenesis and Oogenesis.

6) Describe the attachments and relations of the Deltoid muscle

7) Describe the boundaries and contents of the Cubital fossa. *che*

8) A 16-year-old boy was brought to OPD with complaints of on-and-off bleeding from his nose for three years, especially in summer. There were no other complaints and the clinical examination was unremarkable. Describe the arterial and venous drainage of the part affected. *lateral wall nose. Epistaxis.*

9) Describe the boundaries and contents of the Carotid Triangle.

10) Describe the Circle of Willis.

11) Describe the Supero-medial surface of the brain.

12) Describe the Internal capsule of the brain.

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## Previous Papers

Q.P. CODE: M102A011

Dr NTR UNIVERSITY OF HEALTH SCIENCES-AP: VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – OCTOBER, 2024  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-II**  
(Theory Questions)

Time : 2 Hours 40 Minutes  
Note: Answer all questions  
Draw diagrammatic representation wherever necessary.

Max. Marks: 80

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### SECTION-II – (THEORY QUESTIONS - 80 MARKS)

#### STRUCTURED ESSAY QUESTIONS:

2X15=30

- 1) Describe in detail the femoral triangle under the following headings:
  - a) Location
  - b) Boundaries
  - c) Contents
  - d) Femoral sheath and
  - e) Add a note on femoral hernia
- 2) Describe the arterial supply and venous drainage of the heart. Add a note on their clinical anatomy.

#### SHORT ANSWER QUESTIONS:

10X5=50

- 3) Describe the origin, insertion, actions and nerve supply of hamstring muscles.
- 4) Describe the formation, course, important relations and branches of the Sciatic nerve.
- 5) Describe the bed of the stomach.
- 6) A 30 year old male came to emergency department with pain abdomen, vomiting, blood in the urine since 24 hours. On physical examination and ultrasound examination revealed that the patient is having renal stones in the right kidney. Describe the anterior and posterior relations of the Right Kidney.
- 7) Describe the boundaries and contents of Deep perineal pouches in males and females.
- 8) Describe the pelvic diaphragm.
- 9) Describe the autosomal dominant inheritance with examples.
- 10) Describe the development of the pancreas.
- 11) Describe the histology of the Testis.
- 12) Describe the origin, course and branches of the Internal iliac artery.



## Previous Papers

### 2K23 Batch Regular

**Q.P. CODE: M102A010 (THEORY)**

DR NTR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – AUGUST, 2024  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-I**  
(Theory Questions)

Max. Marks: 80

Time : 2 Hours 40 Minutes  
Note: Answer all questions.  
Draw diagrammatic representation wherever necessary.

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**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

2X15=30

**STRUCTURED ESSAY QUESTIONS:**

1) Describe the anatomy of the Mammary gland under the following headings: (2+4+3+3+3)

- a) Location and extent
- b) Structure
- c) Blood supply
- d) Lymphatic drainage
- e) Applied anatomy

2) Describe the extraocular muscles under the following headings: (6+4+3+2)

- a) Attachments
- b) Movements
- c) Nerve supply
- d) Applied anatomy

**SHORT ANSWER QUESTIONS:**

10X5=50

3) A new born baby is examined by a neurologist. There is a history of difficult vaginal delivery. A diagnosis of Klumpke's palsy is made.

- a) Explain the anatomical basis of Klumpke's palsy.
- b) Describe the formation, root value, and branches of the lower trunk of the brachial plexus.

4) Blood supply to long bone.

5) Compare and contrast microscopic features of various types of cartilage.

6) Describe the process of neurulation.

7) Describe the cutaneous innervation of the palm and dorsum of the hand.

8) Describe the relations of the Thyroid gland.

9) Describe the origin, course and branches of the facial artery.

10) Draw a neat labeled diagram showing the floor of the 4<sup>th</sup> ventricle of the brain.

11) Describe the sulci, gyri and functional areas related to the superolateral surface of the cerebrum.

12) Define and classify the white matter of the cerebrum with examples.

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## Previous Papers

Q.P. CODE:M102A011(THEORY)

Dr NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008

M.B.B.S. DEGREE EXAMINATION – AUGUST, 2024

FIRST M.B.B.S. EXAMINATION

**HUMAN ANATOMY – PAPER-II**

(Theory Questions)

Time : 2 Hours 40 Minutes

Max. Marks: 80

Note: Answer all questions

Draw diagrammatic representation wherever necessary.

### SECTION-II – (THEORY QUESTIONS - 80 MARKS)

#### STRUCTURED ESSAY QUESTIONS:

2X15=30

- 1) Describe the anatomy of the Liver under the following headings: (3+ 5+2+3+2)
  - a) Location, Borders and surfaces
  - b) Ligaments & Relations
  - c) Blood supply
  - d) Classification
  - e) Applied anatomy
- 2) Describe the venous drainage of the lower limb under the following headings: (4+3+4+2+2)
  - a) Great saphenous vein
  - b) Short saphenous vein
  - c) Valves and perforators
  - d) Deep venous system
  - e) Applied anatomy

#### SHORT ANSWER QUESTIONS:

10X5=50

- 3) A 44 year old lady visits a Gynecology OPD with complaints of a mass felt at the vagina whenever she passes urine. On examination, the gynecologist notices the uterus is visible through the vagina and a diagnosis of uterus prolapsed is made. Describe the Supports of Uterus.
- 4) Hamstring muscles
- 5) Microscopy of suprarenal glands
- 6) Medial Longitudinal arch of Foot
- 7) Development of Liver
- 8) Compare and contrast Down's, Edward's and Patau syndromes.
- 9) Blood supply and lymphatic drainage of Stomach
- 10) Nerve supply and blood supply of Parietal pleura
- 11) Bronchopulmonary segments
- 12) Arch of Aorta



## Previous Papers

## 2K22 Batch Instants

Q.P. CODE: M102008

DR. YSR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – MARCH, 2024  
FIRST M.B.B.S. EXAMINATION  
HUMAN ANATOMY – PAPER-I  
(Theory Questions)

Time : 2 Hours 40 Minutes Max. Marks: 80  
Note: Answer all questions. Draw diagrammatic representation wherever necessary.

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**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

**STRUCTURED ESSAY QUESTIONS:** 2X15=30  
(1+2+3+4+4+1)

1) Describe the shoulder joint under the following headings:

- a) Type,
- b) Articulating surfaces,
- c) Relations,
- d) Ligaments,
- e) Movements and
- f) Applied aspects

2) Describe the Thyroid gland under the following headings: (2+2+2+3+4+2)

- a) Location,
- b) Coverings,
- c) Parts,
- d) Relations,
- e) Blood supply and
- f) Applied aspects

**SHORT ANSWER QUESTIONS:** 10X5=50

3) A 40 year old male was admitted to the casualty with complaints of marked oedema of eyelids, pain during movements of the eyeball and a history of a sharp cut in his right upper lip. MRI scan of the brain revealed cavernous sinus thrombosis. Based on the above clinical scenario explain dangerous area of face and root of spread of infection.

- 4) Rima glottidis X
- 5) Midpalmar space 3
- 6) Anastomoses around the elbow ~
- 7) Neat labeled diagram of a section of Medulla Oblongata at Pyramidal decussation
- 8) Speech centers of the brain
- 9) Meninges of the spinal cord
- 10) Fibrous joints X
- 11) Microscopic structure of the spleen
- 12) Somites X

## Previous Papers

DR. YSR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – MARCH, 2024  
FIRST M.B.B.S. EXAMINATION  
HUMAN ANATOMY – PAPER-II  
(Theory Questions)

Q.P. CODE: M102A011

Max. Marks: 80

Time : 2 Hours 40 Minutes  
Note: Answer all questions

Draw diagrammatic representation wherever necessary.

### SECTION-II – (THEORY QUESTIONS - 80 MARKS)

#### STRUCTURED ESSAY QUESTIONS:

- 1) Describe the uterus under the following headings:
- a) Gross anatomy
  - b) Supports
  - c) Blood supply
  - d) Lymphatic drainage and
  - e) Applied aspects
- 2) Describe the Hip joint under the following headings:
- a) Type,
  - b) Articulating surfaces,
  - c) Relations,
  - d) Ligaments,
  - e) Movements and
  - f) Applied aspects

2X15=30

4+6+2+2+1

1+2+2+4+4+2

#### SHORT ANSWER QUESTIONS:

10X5=50

- 3) A 50-year-old female was admitted to the surgery ward with a complaint of swelling in the medial side of her right thigh. On examination, it is reducible and is located downward and lateral to the pubic tubercle. Based on the clinical scenario, answer the following:  
Name the clinical condition and name the boundaries of the relevant opening.
- 4) Popliteal fossa
  - 5) Typical intercostal nerve
  - 6) Venous drainage of the heart
  - 7) Mediastinal surface of the left lung
  - 8) Marginal artery of Drummond
  - 9) Superficial perineal pouch
  - 10) Development of the Urinary bladder
  - 11) Microscopic structure of the kidney
  - 12) Down's syndrome



## Previous Papers

### 2K22 Batch Regular

DR. YSR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – DECEMBER, 2023  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-I**  
(Theory Questions)

Q.P. CODE:M102A010

Time : 2 Hours 40 Minutes

Max. Marks: 80

Note: Answer all questions. Draw diagrammatic representation wherever necessary.

**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

2X15=30

**STRUCTURED ESSAY QUESTIONS:**

- 1) Describe the anatomy of mammary gland under following headings:  
a. Extent b. Structure c. Blood supply d. Lymphatic drainage  
What is the anatomical basis of Peau d' orange appearance of skin in carcinoma of breast
- 2) Classify dural venous sinuses. Describe in detail the cavernous sinus under following headings: a. Location b. Boundaries c. Structures in relation d. Communications and tributaries e. Applied Anatomy

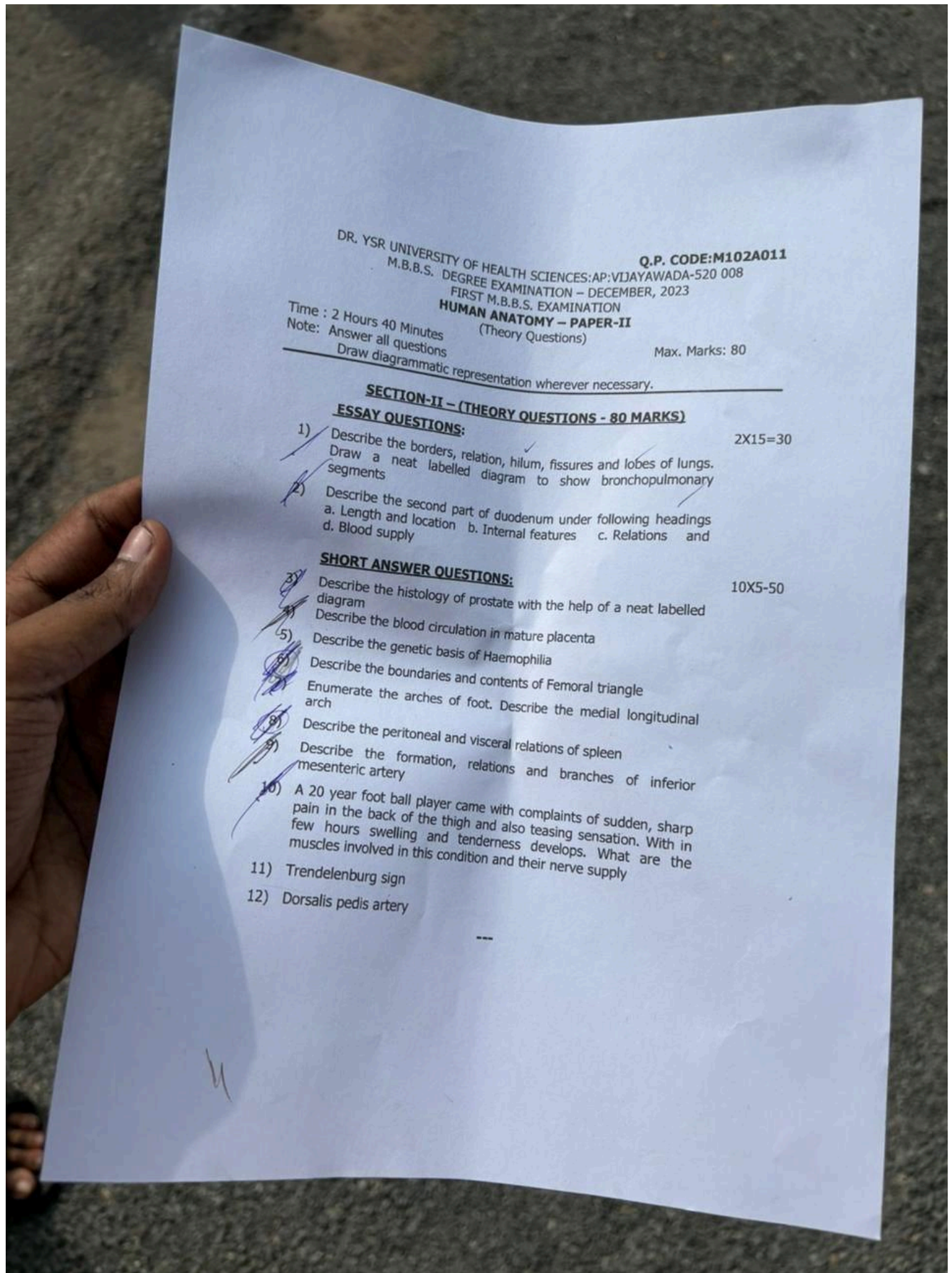
10X5=50

**SHORT ANSWER QUESTIONS:**

- 3) Describe briefly the laws of ossification
- 4) Describe briefly the three types of acini in glands
- 5) Describe briefly the primitive streak
- 6) Describe briefly the axillary lymph nodes. Add a note on their clinical Anatomy
- 7) Draw a neat labelled diagram showing the features of a cross section of medulla oblongata at the level of olivary nucleus
- 8) Describe briefly the anatomical basis of production and circulation of CSF
- 9) Describe the components of Atlanto occipital and Atlanto axial joints and the movements occurring
- 10) A 45 year old woman came with complaints of numbness, tingling pain in the thumb, index, middle and ring fingers. Unable to button the clothes, dropping the clothes. What is the syndrome? Applied anatomy of the above syndrome
- 11) Describe the ophthalmic artery
- 12) Describe the structure of a typical spinal nerve and add a note on grey and white rami communication

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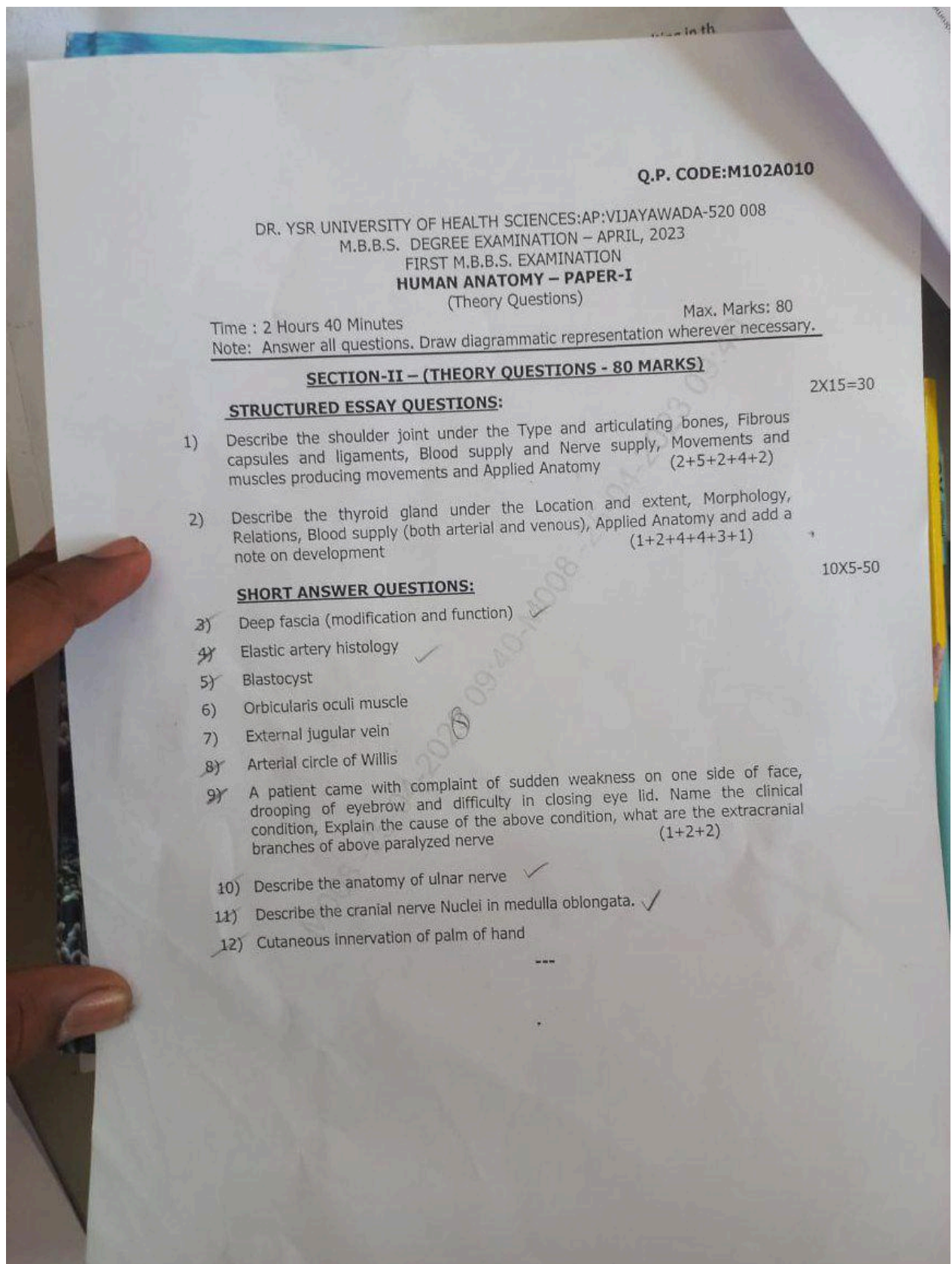
## Previous Papers



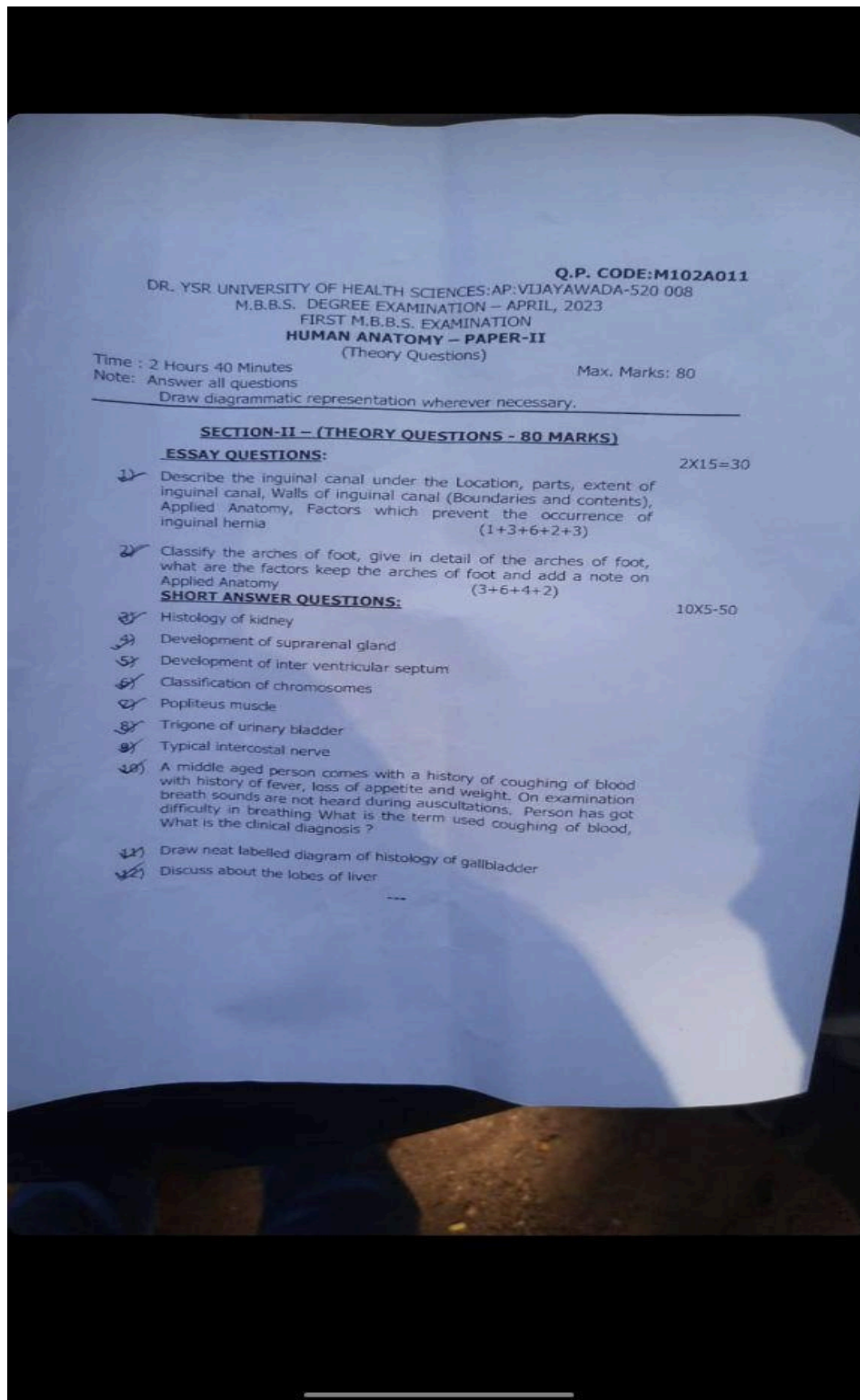


## Previous Papers

## 2K21 Batch Instants



## Previous Papers





## Previous Papers

### 2K21 Batch Regular

DR. YSR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2023  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-I**  
(Theory Questions)

Time : 2 Hours 40 Minutes

Note: Answer all questions

Max. Marks: 80

Draw diagrammatic representation wherever necessary.

#### **SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

##### **STRUCTURED ESSAY QUESTIONS:**

2X15=30

- 1) Describe the formation and parts of brachial plexus. Describe briefly the vascular relations. Enumerate the branches and distribution of brachial plexus. (5+4+6)
- 2) Describe the Parotid gland under the following headings:
  - a) Location
  - b) Capsule
  - c) Relations
  - d) Structures within the gland and
  - e) Nerve supply(2+2+5+3+3)

##### **SHORT ANSWER QUESTIONS:**

10X5=50

- 3) What are sesamoid bones? Enumerate their special features? Name any two.
- 4) Differentiate between the histology of Elastic and Muscular arteries.
- 5) Differentiate between Spermatogenesis and Oogenesis
- 6) What is an arterial anastomosis? Describe briefly the anastomosis around elbow joint.
- 7) Describe briefly the connections of Cerebellum. Enumerate the cerebellar nuclei.
- 8) Draw a neat labelled diagram showing the features of a cross section of midbrain at the level of Superior Colliculus.
- 9) Describe the boundaries and contents of Carotid triangle
- 10) Describe the relations and blood supply of Palatine tonsils
- 11) Describe the rotator cuff
- 12) Classify Synovial joints based on shape of articular surfaces and movements. Give examples to each.

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## Previous Papers

**Q.P. CODE:M102A011**

DR. YSR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – JANUARY, 2023

**FIRST M.B.B.S. EXAMINATION**  
**HUMAN ANATOMY – PAPER-II**  
(Theory Questions)

Time : 2 Hours 40 Minutes

Max. Marks: 80

Note: Answer all questions

Draw diagrammatic representation wherever necessary.

**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

2X15=30

**ESSAY QUESTIONS:**

- 1) Describe in detail the origin, course, branches of Coronary arteries. Add a note on their applied anatomy. (3+3+5+4)
- 2) Describe the coverings, internal structure, blood supply and nerve supply of testis. Add a note on descent of testis. (3+3+3+3+3)

10X5=50

**SHORT ANSWER QUESTIONS:**

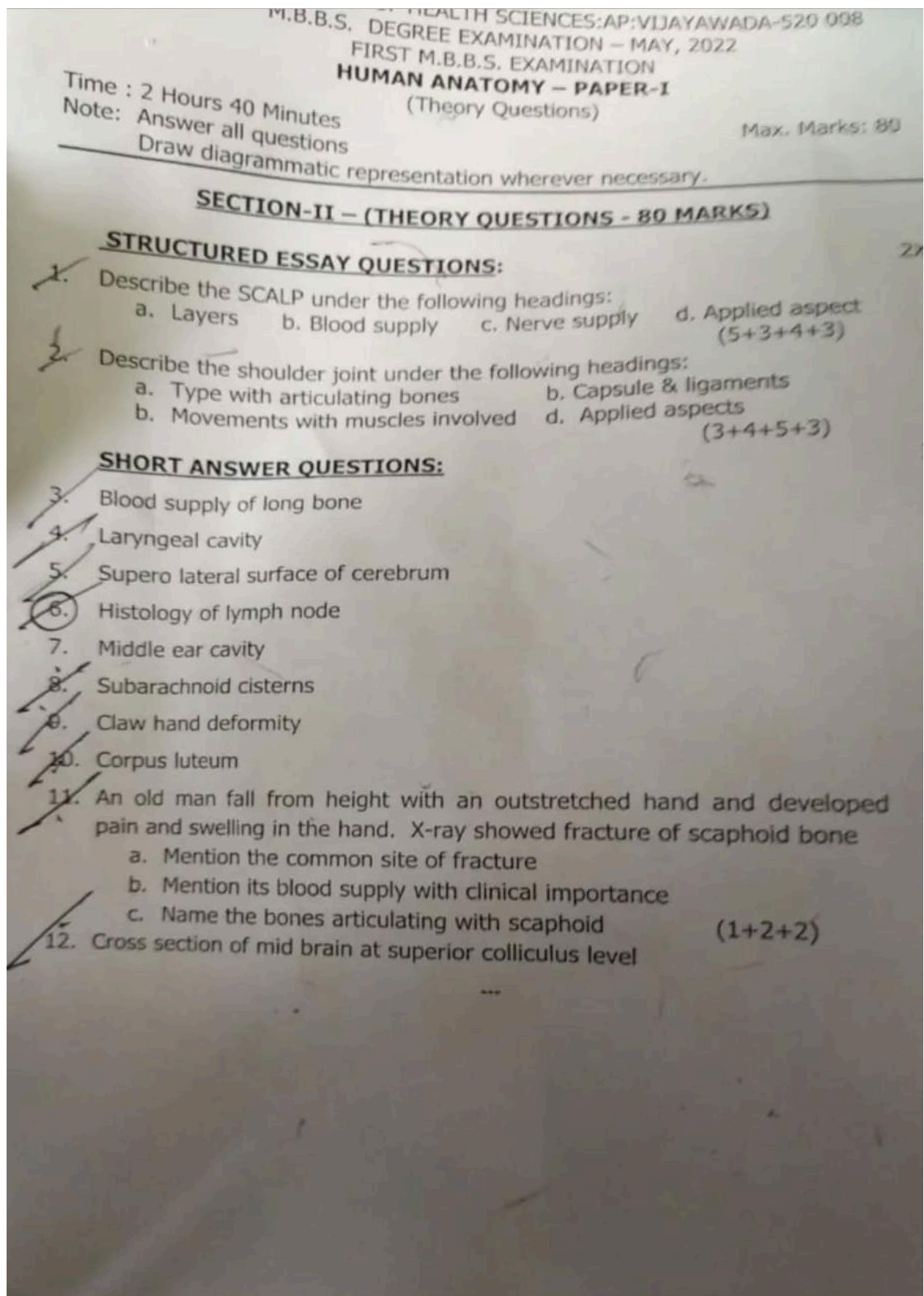
- 3) Describe the histology of Lung.
- 4) Describe the rotation of midgut
- 5) Describe briefly Lyon hypothesis
- 6) Describe briefly the anatomical basis of Trendelenburg sign
- 7) Describe briefly the intra-articular structures of knee joint
- 8) Describe briefly the boundaries, contents and communications of Lesser sac.
- 9) Describe briefly the relations of head of pancreas
- 10) Write about Great saphenous vein
- 11) Femoral triangle
- 12) What is the anatomical basis of pain in acute appendicitis? Draw a neat labelled diagram of arteries supplying the appendix.

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## Previous Papers

## 2K20 Batch Instants



## Previous Papers

Q.P. CODE: M102A011

DR. NTR UNIVERSITY OF HEALTH SCIENCES: AP/VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – MAY, 2022  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-II**  
(Theory Questions)

Time : 2 Hours 40 Minutes  
Note: Answer all questions  
Draw diagrammatic representation wherever necessary.

Max. Marks: 80

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**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

**ESSAY QUESTIONS:** 2X15=30

1) Describe the Femoral triangle under the following headings  
a. Boundaries    b. Contents    c. Applied aspect  
(6+5+4)

2) Describe the pancreas under the following headings  
a. Gross features    b. Relations    c. Blood supply  
d. Lymphatic drainage    e. Applied aspect  
(4+3+3+3)

**SHORT ANSWER QUESTIONS:** 10X5=50

3) Second part of duodenum ✓

4) Peritoneal pouches related to uterus ✓

8) Abdominal aorta ✓

6) Guy ropes muscles - origin, insertion and nerve supply

7) Genetic counselling

8) Development of testis ✓

9) Microanatomy of lung ✓

10) A patient came with the complaint of difficulty in breathing with chest pain. X-ray showed enlarged heart shadow. Echocardiography shows Right atrial enlargement

a. Name the clinical condition causing right atrial enlargement

b. What could be the complication of right auricular thrombus

c. Mention the veins opening into the right atrium (1+1+3)

11) Thoracic duct ✓

12) Pleura ✓



## Previous Papers

### 2K20 Batch Regular

**Q.P. CODE:501-A-CBME**  
DR. NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – JAN/FEB, 2022  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-I**  
(Theory Questions)

Time : 2 ½ Hours  
Note: Answer all questions  
Draw diagrammatic representation wherever necessary.

Max. Marks: 80

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**SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

**STRUCTURED ESSAY QUESTIONS:** 2X1

- 1) Describe the mammary gland under
  - a. Morphology
  - b. Mammary bed
  - c. Blood supply
  - d. Applied anatomy
- 2) Enumerate the cranial nerves in order. Describe the course, branches and applied anatomy of facial nerve

**SHORT ANSWER QUESTIONS:** 10)

- 3) Neurons
- 4) Development of bones
- 5) Cubital fossa
- 6) Digastric triangle
- 7) Histology of parotid gland
- 8) Histology of loose areolar tissue
- 9) White fibres of brain
- 10) Wrist drop
- 11) Adipose tissue
- 12) Implantation

## Previous Papers

**Q.P. CODE:502-A-CBME**

DR. NTR UNIVERSITY OF HEALTH SCIENCES:AP:VJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – JAN/FEB, 2022  
FIRST M.B.B.S. EXAMINATION  
**HUMAN ANATOMY – PAPER-II**  
(Theory Questions)

Time : 2 Hours 40 Minutes Max. Marks: 80  
Note: Answer all questions  
Draw diagrammatic representation wherever necessary.

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### **SECTION-II – (THEORY QUESTIONS - 80 MARKS)**

#### **ESSAY QUESTIONS:**

2X15=30

- 1) Describe the knee joint under following
  - a. Formation
  - b. Ligaments
  - c. Relations
  - d. Applied anatomy
- 2) Describe the rectum under following
  - a. Morphology
  - b. Relations
  - c. Blood supply
  - d. Applied anatomy

#### **SHORT ANSWER QUESTIONS:**

10X5=50

- 3) Neural crest cells ✓
  - 4) Histology of pancreas ✓
  - 5) Great saphenous vein ✓
  - 6) Ischial tuberosity ✓
  - 7) Plural recesses
  - 8) Intercostal nerve
  - 9) Azygos vein
  - 10) Histology of gall bladder
  - 11) Medial malleolus *or the nail*
  - 12) Openings of diaphragm
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## Previous Papers