

MBBS PHASE – I
(CBME)
DEGREE EXAMINATION – FEBRUARY 2023

Time: 3 Hours

Max. Marks: 100

ANATOMY
PAPER – I

Q.P. Code: A001

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number	Marks
1. M.C.Q.	20 X 1 = 20
LONG ESSAY QUESTIONS:	2 X 10 = 20
2. Describe the heart under following headings: a) External features b) Blood supply c) Applied Anatomy.	(4+4+2)
3. Describe the brachial plexus under the following headings: a) Roots b) Cords c) Divisions d) Branches e) Applied anatomy.	(2+2+2+2+2)
SHORT ESSAY QUESTIONS:	9 X 5 = 45
4. Describe the steps of spermatogenesis.	
5. Describe the bronchopulmonary segments of left lung.	
6. Describe arterial supply and nerve supply of nasal septum.	
7. Describe the blood supply of Thyroid gland.	
8. Describe the boundaries and contents of Carotid triangle	
9. Draw and label the transverse section of medulla oblongata at the level of pyramidal decussation.	
10. Explain the microscopic structure of pituitary gland.	
11. Enumerate the types of neuron with examples	
12. A 35-year-old woman came to the surgeon with the complaint of hard painless lump in the upper outer quadrant of the right breast. Examination revealed enlarged axillary lymph nodes on the right side and loss of mobility of the affected breast a) What is the probable diagnosis? b) Name the muscles related to the base of the breast. a) Which of the above muscles is utilized while testing the fixity of the breast. b) How does this part enter the axilla?	(1+2+1+1)
SHORT ANSWER QUESTIONS:	5 X 3 = 15
13. Draw a neat labeled diagram of typical intercostal nerve.	
14. Name the sites of Ectopic pregnancy.	
15. Name the tributaries of cavernous sinus.	
16. Name the branches of the maxillary artery.	
17. Draw a neat labeled diagram of microscopic structure of hyaline cartilage.	

MULTIPLE CHOICE QUESTIONS

Course: MBBS Phase-I, (CBME) FEBRUARY 2023	Max. Marks: 20 Marks
Subject : Anatomy Paper-I, QP Code: A001	Time: 30 Minutes

Instructions:

- Each question is followed by four options.
- Pick up the single best option and darken the appropriate circle in the OMR Sheet provided.
- Each question carries one mark. No negative marking.

1. The muscle involved in expiration is
(A) External intercostal (B) Internal intercostal
(C) Levator costae (D) Transversus thoracis
2. Part of lung aerated by a respiratory bronchiole is
(A) A lobule (B) A segment
(C) Alveolus (D) Pulmonary unit
3. All are atypical ribs **EXCEPT**
(A) 1st rib (B) 2nd rib
(C) 9th rib (D) 10th rib
4. The lower border of falx cerebri encloses which sinus
(A) Superior sagittal (B) Inferior sagittal
(C) Straight (D) Occipital
5. Optic canal transmits
(A) Optic nerve (B) Frontal nerve
(C) Supraorbital nerve (D) Supra trochlear nerve
6. Stenson's duct belongs to
(A) Sublingual gland (B) Parotid gland
(C) Submandibular gland (D) None of the above
7. All the following nerves emerge from the pontomedullary junction **EXCEPT**
(A) Trigeminal (B) Abducent
(C) Facial (D) Vestibulocochlear
8. Which of the following peduncles connects pons with the cerebellum?
(A) Cerebral (B) Superior cerebellar
(C) Middle cerebellar (D) Inferior cerebellar
9. Long thoracic nerve supplies which muscle
(A) Pectoralis major (B) Pectoralis minor
(C) Serratus anterior (D) Subclavius
10. The quadrangular space of arm transmits
(A) Axillary nerve (B) Axillary artery
(C) Radial nerve (D) Circumflex scapular artery
11. Carpal tunnel syndrome causes
(A) Wrist drop (B) Claw hand
(C) Policeman's tip hand (D) Ape thumb

12. The intermediate mesoderm is the precursor of the
(A) Somites (B) Heart
(C) Respiratory system (D) Urogenital system
13. All the following are structures derived from the cartilage of second arch **EXCEPT**
(A) Stapes (B) Styloid process
(C) Lesser cornu of hyoid bone (D) Greater cornu of hyoid bone
14. Which structure divides into metencephalon & myelencephalon?
(A) Prosencephalon (B) Mesencephalon
(C) Rhombencephalon (D) Diencephalon
15. Hassall's corpuscles are seen in
(A) Spleen (B) Thymus
(C) Tonsil (D) Lymph node
16. Taste buds are absent in which papillae
(A) Circumvallate (B) Fungiform
(C) Filiform (D) Foliate
17. The pigment present in cone cells of retina is
(A) Rhodopsin (B) Conopsin
(C) Iodopsin (D) Scotopsin
18. All of the following are the examples of the fibrous joint **EXCEPT**
(A) Suture (B) Syndesmosis
(C) Symphysis (D) Gomphosis
19. Arterioles are the examples of
(A) Distributing vessels (B) Conducting vessels
(C) Resistance vessels (D) Capacitance vessels
20. A patient diagnosed as goiter who will be going for thyroidectomy, where will the surgeons ligate inferior thyroid artery during thyroidectomy?
(A) Close to the gland (B) Away from the gland
(C) Anterior and posterior branches separately (D) Anywhere in its course

**MBBS PHASE – I
(CBME)
DEGREE EXAMINATION – FEBRUARY 2023**

Time: 3 Hours

Max. Marks: 100

**ANATOMY
PAPER – II**

Q.P. Code: A002

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number	Marks
1. M.C.Q.	20 X 1 = 20
LONG ESSAY QUESTIONS:	2 X 10 = 20
2. Describe the urinary bladder under the following headings: a) External features b) Relations c) Ligaments. Add a note on its nerve supply and applied anatomy.	(3+2+2+2+1)
3. Describe the femoral triangle under following headings: a) Boundaries b) Contents and c) Applied anatomy.	(4+4+2)
SHORT ESSAY QUESTIONS:	9 X 5 = 45
4. Discuss in brief about rotation of midgut with diagram.	
5. Explain the blood supply and lymphatic drainage of stomach.	
6. Write a note on supports of the uterus.	
7. Describe the boundaries and contents of popliteal fossa.	
8. Discuss Down's syndrome.	
9. Explain the microscopic structure of liver.	
10. Explain the microscopic structure of Adrenal gland.	
11. A 30 year old female during her pregnancy noted blue tubular structures over her calf and thigh. These get prominent after standing for a long time. a) Name the superficial veins of the lower limb. b) Name the deep veins of lower limb. c) Name the perforators connecting these two veins.	(1+1+3)
12. Describe the boundaries, contents and applied anatomy of ischioanal fossa.	
SHORT ANSWER QUESTIONS:	5 X 3 = 15
13. Name the muscles attached to Ischial tuberosity.	
14. Name the ligaments of hip joint.	
15. Name the parts of pancreas.	
16. Describe the formation and fate of urachus.	
17. Draw diagram of microscopic structure of Vermiform appendix.	

MULTIPLE CHOICE QUESTIONS

Course: MBBS Phase I, (CBME) February 2023	Max. Marks: 20 Marks
Subject : Anatomy Paper II, QP Code: A002	Time: 30 Minutes

Instructions:

- Each question is followed by four options.
- Pick up the single best option and darken the appropriate circle in the OMR Sheet provided.
- Each question carries one mark. No negative marking.

1. The atypical lumbar vertebra is the
(A) 5th lumbar (B) 1st lumbar
(C) 3rd lumbar (D) 2nd lumbar
2. The structure that continues from the canal of epididymis is
(A) Ductus deferens (B) Seminal vesical
(C) Ejaculatory duct (D) Prostatic urethra
3. Deep perineal pouch
(A) Lies superior to the perineal membrane (B) Lies superficial to perineal membrane
(C) Lies at the sides of perineal membrane (D) Has no relation to perineal membrane
4. Root of mesentery crosses the following structures **EXCEPT**
(A) Abdominal aorta (B) Inferior vena cava
(C) Right ureter (D) Left ureter
5. The tail of the pancreas is one of the contents of the following ligament
(A) Gastrosplenic ligament (B) Phrenicocolic ligament
(C) Lienorenal ligament (D) Hepatoduodenal ligament
6. One of the following is not a constriction point of ureter
(A) Pelvi ureteric junction (B) Uretero-vesical junction
(C) Brim of pelvis (D) Over the levator ani
7. The pouch of Douglas is bounded by the
(A) Recto uterine folds (B) Recto vaginal folds
(C) Broad ligaments (D) Uterovesical folds
8. All the following are parts of epididymis **EXCEPT**
(A) Head (B) Neck
(C) Body (D) Tail
9. Which of the following artery is a continuation of femoral artery?
(A) Profunda femoris (B) Superficial circumflex iliac
(C) Superficial external pudental (D) Popliteal
10. Saphenous opening is an oval opening in the
(A) Superficial fatty layer (B) Deep membranous layer
(C) Deep fascia of the thigh (D) Iliotibial tract
11. Which of the following is a hybrid muscle?
(A) Pectineus (B) Adductor longus
(C) Psoas major (D) Iliacus
12. Derivatives of hindgut are all the following **EXCEPT**
(A) Descending colon (B) Sigmoid colon
(C) Left one third of transverse colon (D) Proctodeum below anal membrane

13. Mesonephric ducts give rise to all of the following structures **EXCEPT**
(A) Uretric buds (B) Ductus deferens
(C) Ejaculatory ducts (D) Ductuli efferentes
14. Paradidymis in male is a remnant of
(A) Mesonephric tubules (B) Mesonephric duct
(C) Primordial germ cells (D) Gubernaculum
15. Antrum is characteristic of which stage of ovarian follicular development
(A) Primordial (B) Primary
(C) Multilaminar primary follicle (D) Secondary follicle
16. Auerbach's plexus is seen in which of the following layer of gastrointestinal tract?
(A) Mucosa (B) Submucosa
(C) Muscularis externa (D) Serosa
17. Centroacinar cells are seen in
(A) Pancreas (B) Liver
(C) Parotid gland (D) Pituitary gland
18. Macula densa are cells of
(A) Bowman's capsule (B) Proximal convoluted tubule
(C) Collecting duct (D) Distal convoluted tubule
19. The karyotype 47 XXY is seen in
(A) Down's syndrome (B) Polysomy X
(C) Klinefelter's syndrome (D) Edward's syndrome
20. Cri-du-chat syndrome results from deletion of the short arm of
(A) Chromosome 5 (B) Chromosome 13
(C) Chromosome 18 (D) Chromosome 4
