

**M.B.B.S. DEGREE EXAMINATION**  
(For the candidates admitted from the Academic Year 2024 -2025)

**FIRST PROFESSIONAL – (CBME)**

**PAPER I - ANATOMY**

*Q.P. Code: 527051*

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - A**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

1. Enlargement of central group of axillary lymphnodes produces referred pain along the medial side of the arm due to compression of  
A) Axillary nerve                      B) Medial cutaneous nerve of arm  
C) Intercostobrachial nerve      D) Lateral cutaneous branch of 3<sup>rd</sup> intercostal nerve
2. In foetal life, left umbilical vein carries oxygenated blood from placenta to  
A) Right branch of portal vein              B) Left branch of portal vein  
C) Left hepatic vein                      D) Inferior venacava
3. Which structure forms the medial boundary of calot's triangle?  
A) Cystic duct                      B) Cystic artery  
C) Common hepatic duct              D) Inferior surface of liver
4. Rotator cuff around shoulder joint is formed by all except  
A) Supraspinatus              B) Infraspinatus              C) Subscapularis              D) Teres major
5. A 27 year old female was brought to the casualty in shock. Based on clinical examination and history, the gynaecologist made a diagnosis of ruptured tubal pregnancy. Usually in which stage is the fertilized ovum transferred to uterine cavity.  
A) 4 cell stage              B) 8 cell stage              C) Morula              D) Blastocyst
6. At the knee, great saphenous vein is accompanied by  
A) Medial femoral cutaneous nerve  
B) Saphenous branch of descending genicular artery  
C) Saphenous nerve  
D) Sural nerve
7. Conjoint tendon is formed by the fusion of lower aponeurotic fibres of internal oblique with  
A) Transversus abdominis muscle              B) External oblique muscle  
C) Transversalis fascia                      D) External oblique aponeurosis
8. All of the following cells line the wall of hepatic sinusoid except  
A) Flattened endothelial cells              B) Kupffer's cells  
C) Natural killer cells                      D) Ito cells
9. Unpaired branch which arises from abdominal aorta just above its bifurcation is  
A) Median sacral artery                      B) Inferior mesenteric artery  
C) 4<sup>th</sup> lumbar artery                      D) Testicular artery

10. 30 year old Mr. Kannan underwent inguinal hernioplasty. During surgery, the surgeon found that the Meckel's diverticulum was a content of hernial sac. Meckel's diverticulum is a remnant of
- A) Vitello intestinal duct                      B) Allantoic diverticulum  
C) Caecal bud                                      D) Mesonephric duct
11. A 25 year old female presented with lower abdominal pain that is referred to hip and knee joints. Based on clinical examination and USG report, she was diagnosed to have ovarian cyst. Referred pain at hip and knee joints is due to compression of
- A) Sciatic nerve   B) Femoral nerve   C) Obturator nerve   D) Genito-femoral nerve
12. Structure related to the superior border of body of pancreas is
- A) Splenic vein   B) Splenic artery   C) Coeliac artery   D) Right gastric artery
13. A 10 year old girl came to the ortho OPD with complaints of pain at the lateral side of wrist. She had a history of fall on the wrist in extension. Her X-ray wrist showed fracture of scaphoid bone. Common complication of this fracture is
- A) Delayed union                                      B) Median nerve compression  
C) Nonunion & Avascular necrosis              D) Flexion deformity
14. Structure which enters the palm between the two heads of first dorsal interosseous muscle is
- A) Deep branch of ulnar artery                      B) Radial artery  
C) Arteria princeps pollicis                          D) First dorsal metacarpal artery
15. A Nun presented with pain and swelling just below the right knee for 5 days. Physical examination revealed tender swelling at the level of right tibial tuberosity and was diagnosed to have bursitis. Which bursa is inflamed in this condition?
- A) Subcutaneous prepatellar bursa                  B) Supra patellar bursa  
C) Subcutaneous infrapatellar bursa              D) Deep infrapatellar bursa
16. One of the following is not a content of spermatic cord?
- A) Testicular artery                                      B) Artery to vas deferens  
C) Cremasteric artery                                  D) Testicular Vein
17. Centro acinar cells are located in
- A) Serous salivary gland                              B) Submandibular gland  
C) Gall bladder    D) Pancreas
18. Plantar arterial arch is completed by
- A) Dorsalis pedis artery                              B) Medial plantar artery  
C) Lateral plantar artery                              D) Posterior tibial artery
19. Superior suprarenal artery is a branch of
- A) Inferior phrenic artery                              B) Renal artery  
C) Abdominal aorta                                      D) Superior mesenteric artery
20. True statement about the anal canal above the pectinate line is
- A) Supplied by superior rectal artery  
B) Developed from proctodeum  
C) Supplied by somatic nerves  
D) Drained into superficial inguinal lymph nodes

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**FIRST PROFESSIONAL – (CBME)**

**PAPER I - ANATOMY**

*Q.P. Code: 527051*

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - B**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

- In foetal life, left umbilical vein carries oxygenated blood from placenta to
  - Right branch of portal vein
  - Left branch of portal vein
  - Left hepatic vein
  - Inferior venacava
- Which structure forms the medial boundary of calot's triangle?
  - Cystic duct
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  - Common hepatic duct
  - Inferior surface of liver
- Rotator cuff around shoulder joint is formed by all except
  - Supraspinatus
  - Infraspinatus
  - Subscapularis
  - Teres major
- A 27 year old female was brought to the casualty in shock. Based on clinical examination and history, the gynaecologist made a diagnosis of ruptured tubal pregnancy. Usually in which stage is the fertilized ovum transferred to uterine cavity.
  - 4 cell stage
  - 8 cell stage
  - Morula
  - Blastocyst
- At the knee, great saphenous vein is accompanied by
  - Medial femoral cutaneous nerve
  - Saphenous branch of descending genicular artery
  - Saphenous nerve
  - Sural nerve
- Conjoint tendon is formed by the fusion of lower aponeurotic fibres of internal oblique with
  - Transversus abdominis muscle
  - External oblique muscle
  - Transversalis fascia
  - External oblique aponeurosis
- All of the following cells line the wall of hepatic sinusoid except
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  - Natural killer cells
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  - 4<sup>th</sup> lumbar artery
  - Testicular artery
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**PAPER I - ANATOMY**

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**Time: 20 Minutes**

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**Answer All Questions**

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**SET - C**

**IV. Multiple Choice Questions:**

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1. Rotator cuff around shoulder joint is formed by all except  
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**PAPER I - ANATOMY**

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**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - D**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

- All of the following cells line the wall of hepatic sinusoid except  
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**FIRST PROFESSIONAL – SUPPLEMENTARY - (CBME)**

**PAPER I - ANATOMY**

*Q.P. Code: 527051*

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - A**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

- Content of inguinal canal common to both male and female is
  - Round ligament
  - Spermatic cord
  - Ilioinguinal nerve
  - Iliohypogastric nerve
- A 47 year old male patient diagnosed as meralgia paraesthetica underwent surgical treatment for releasing the nerve from compression. Which of the following nerve is involved in this condition
  - Medial cutaneous nerve of thigh
  - Lateral cutaneous nerve of thigh
  - Intermediate cutaneous nerve of thigh
  - Saphenous nerve
- Anterior surface of third part of duodenum is crossed by
  - Inferior pancreaticoduodenal vessels
  - Inferior vena cava
  - Right ureter
  - Superior mesenteric vessels
- One of the following is not supplied by superior gluteal nerve
  - Gluteus medius
  - Gluteus minimus
  - Gluteus maximus
  - Tensor fascia lata
- Internal trigone of urinary bladder is developed from
  - Paraxial mesoderm
  - Intermediate mesoderm
  - Lateral plate mesoderm
  - Endoderm
- 27 year old male came with history of fall on out stretched hand and developed pain and swelling on the dorsal aspect of wrist. On examination, dinner fork deformity was present. He was diagnosed with Colle's fracture. Which part of the bone is fractured here?
  - Head of ulna
  - Distal end of radius
  - Shaft of ulna
  - Head of radius
- Cremaster muscle is supplied by
  - Genitofemoral nerve
  - Ilioinguinal nerve
  - Iliohypogastric nerve
  - Subcostal nerve
- One of the following is not related with fascia transversalis
  - Anterior layer of femoral sheath
  - Deep inguinal ring
  - Internal spermatic fascia
  - Lacunar ligament

9. A 46 year old female has come with complaints of upper abdominal pain. The pain is aggravated after taking fatty meal and pain radiates to the tip of right shoulder. Which of the following structure is involved?  
A) Pancreas                      B) Liver                      C) Duodenum                      D) Gall bladder
10. A 41 year old homemaker woman came with complaints of severe throbbing pain at the terminal part of index finger. She had a history of fish bone prick one week back. On examination, the doctor found collection of pus in the terminal part of index finger on the palmar aspect. Which fascial space is infected here?  
A) Thenar space      B) Pulp space      C) Midpalmar space      D) Space of parona
11. Which of the following is the foetal source of placenta  
A) Decidua capsularis                      B) Decidua Basalis  
C) Chorion leave                      D) Chorion frondosum
12. A one month old male baby was brought to the paediatrician for routine check-up. On physical examination, the paediatrician found that the left side scrotum was empty and made a diagnosis of undescended testis. During 8<sup>th</sup> month of intrauterine life, testis lies at  
A) Superficial inguinal ring                      B) Deep inguinal ring  
C) Inguinal canal                      D) Scrotum
13. Unlocking of knee joint is by contraction of  
A) Quadriceps femoris      B) Popliteus      C) Sartorius      D) Semimembranosus
14. The transpyloric plane corresponds to  
A) Pylorus of stomach                      B) Lower end of kidney  
C) Vena caval opening of diaphragm      D) Origin of superior mesenteric artery
15. All the following are modifications of deep fascia except  
A) Fibrous flexor sheath                      B) Flexor retinaculum  
C) Extensor retinaculum                      D) Extensor expansion
16. Subacromial bursa separates coracoacromial arch from  
A) Subscapularis      B) Supraspinatus      C) Teres minor      D) Teres major
17. All the following structures are related to the posterior surface of right kidney except  
A) 11<sup>th</sup> rib      B) 12<sup>th</sup> rib      C) Subcostal Nerve      D) Iliohypogastric Nerve
18. Obturator artery is a branch of  
A) Anterior division of Internal Iliac Artery  
B) Posterior division of Internal Iliac Artery  
C) External iliac artery  
D) Inferior epigastric artery
19. Which one of the following statement is incorrect about vas deferens?  
A) Musculature is thicker than the size of the lumen  
B) Develops from mesonephric duct  
C) Begins from tail of epididymis  
D) Opens into seminal vesicle
20. Stereocilia are found on the apical surface of the epithelium lining the  
A) Testis                      B) Prostate                      C) Epididymis                      D) Penis

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***Q.P. Code: 527051***

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

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**SET – B**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

- Internal trigone of urinary bladder is developed from
  - Paraxial mesoderm
  - Intermediate mesoderm
  - Lateral plate mesoderm
  - Endoderm
- 27 year old male came with history of fall on out stretched hand and developed pain and swelling on the dorsal aspect of wrist. On examination, dinner fork deformity was present. He was diagnosed with Colle's fracture. Which part of the bone is fractured here?
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A) Testis    B) Prostate    C) Epididymis    D) Penis
17. Content of inguinal canal common to both male and female is  
A) Round ligament    B) Spermatic cord  
C) Ilioinguinal nerve    D) Iliohypogastric nerve
18. A 47 year old male patient diagnosed as meralgia paraesthetica underwent surgical treatment for releasing the nerve from compression. Which of the following nerve is involved in this condition  
A) Medial cutaneous nerve of thigh    B) Lateral cutaneous nerve of thigh  
C) Intermediate cutaneous nerve of thigh    D) Saphenous nerve
19. Anterior surface of third part of duodenum is crossed by  
A) Inferior pancreaticoduodenal vessels    B) Inferior vena cava  
C) Right ureter    D) Superior mesenteric vessels
20. One of the following is not supplied by superior gluteal nerve  
A) Gluteus medius    B) Gluteus minimus  
C) Gluteus maximus    D) Tensor fascia lata

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**M.B.B.S. DEGREE EXAMINATION**  
(For the candidates admitted from the Academic Year 2024 -2025)  
**FIRST PROFESSIONAL – SUPPLEMENTARY - (CBME)**  
**PAPER I - ANATOMY**  
*Q.P. Code: 527051*

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - C**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

1. A 41 year old homemaker woman came with complaints of severe throbbing pain at the terminal part of index finger. She had a history of fish bone prick one week back. On examination, the doctor found collection of pus in the terminal part of index finger on the palmar aspect. Which fascial space is infected here?  
A) Thenar space    B) Pulp space    C) Midpalmar space    D) Space of parona
2. Which of the following is the foetal source of placenta  
A) Decidua capsularis    B) Decidua Basalis  
C) Chorion leave    D) Chorion frondosum
3. A one month old male baby was brought to the paediatrician for routine check-up. On physical examination, the paediatrician found that the left side scrotum was empty and made a diagnosis of undescended testis. During 8<sup>th</sup> month of intrauterine life, testis lies at  
A) Superficial inguinal ring    B) Deep inguinal ring  
C) Inguinal canal    D) Scrotum
4. Unlocking of knee joint is by contraction of  
A) Quadriceps femoris    B) Popliteus    C) Sartorius    D) Semimembranosus
5. The transpyloric plane corresponds to  
A) Pylorus of stomach    B) Lower end of kidney  
C) Vena caval opening of diaphragm    D) Origin of superior mesenteric artery
6. All the following are modifications of deep fascia except  
A) Fibrous flexor sheath    B) Flexor retinaculum  
C) Extensor retinaculum    D) Extensor expansion
7. Subacromial bursa separates coracoacromial arch from  
A) Subscapularis    B) Supraspinatus    C) Teres minor    D) Teres major
8. All the following structures are related to the posterior surface of right kidney except  
A) 11<sup>th</sup> rib    B) 12<sup>th</sup> rib    C) Subcostal Nerve    D) Iliohypogastric Nerve
9. Obturator artery is a branch of  
A) Anterior division of Internal Iliac Artery  
B) Posterior division of Internal Iliac Artery  
C) External iliac artery  
D) Inferior epigastric artery

10. Which one of the following statement is incorrect about vas deferens?  
A) Musculature is thicker than the size of the lumen  
B) Develops from mesonephric duct  
C) Begins from tail of epididymis  
D) Opens into seminal vesicle
11. Stereocilia are found on the apical surface of the epithelium lining the  
A) Testis                      B) Prostate                      C) Epididymis                      D) Penis
12. Content of inguinal canal common to both male and female is  
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C) Ilioinguinal nerve                      D) Iliohypogastric nerve
13. A 47 year old male patient diagnosed as meralgia paraesthetica underwent surgical treatment for releasing the nerve from compression. Which of the following nerve is involved in this condition  
A) Medial cutaneous nerve of thigh                      B) Lateral cutaneous nerve of thigh  
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14. Anterior surface of third part of duodenum is crossed by  
A) Inferior pancreaticoduodenal vessels                      B) Inferior vena cava  
C) Right ureter                      D) Superior mesenteric vessels
15. One of the following is not supplied by superior gluteal nerve  
A) Gluteus medius                      B) Gluteus minimus  
C) Gluteus maximus                      D) Tensor fascia lata
16. Internal trigone of urinary bladder is developed from  
A) Paraxial mesoderm                      B) Intermediate mesoderm  
C) Lateral plate mesoderm                      D) Endoderm
17. 27 year old male came with history of fall on out stretched hand and developed pain and swelling on the dorsal aspect of wrist. On examination, dinner fork deformity was present. He was diagnosed with Colle's fracture. Which part of the bone is fractured here?  
A) Head of ulna                      B) Distal end of radius                      C) Shaft of ulna                      D) Head of radius
18. Cremaster muscle is supplied by  
A) Genitofemoral nerve                      B) Ilioinguinal nerve  
C) Iliohypogastric nerve                      D) Subcostal nerve
19. One of the following is not related with fascia transversalis  
A) Anterior layer of femoral sheath                      B) Deep inguinal ring  
C) Internal spermatic fascia                      D) Lacunar ligament
20. A 46 year old female has come with complaints of upper abdominal pain. The pain is aggravated after taking fatty meal and pain radiates to the tip of right shoulder. Which of the following structure is involved?  
A) Pancreas                      B) Liver                      C) Duodenum                      D) Gall bladder

**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[MBBS 1025]**

**OCTOBER 2025**

**Sub. Code: 7051**

**M.B.B.S. DEGREE EXAMINATION**  
**(For the candidates admitted from the Academic Year 2024 -2025)**

**FIRST PROFESSIONAL – SUPPLEMENTARY - (CBME)**

**PAPER I - ANATOMY**

***Q.P. Code: 527051***

**Time: 20 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Shade the correct answer with Black or Blue ink ball point pen**

**SET - D**

**IV. Multiple Choice Questions:**

**(20 x 1 = 20)**

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C) Extensor retinaculum                      D) Extensor expansion
- Subacromial bursa separates coracoacromial arch from  
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- All the following structures are related to the posterior surface of right kidney except  
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- Which one of the following statement is incorrect about vas deferens?  
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D) Opens into seminal vesicle
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A) Testis              B) Prostate              C) Epididymis              D) Penis
- Content of inguinal canal common to both male and female is  
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