



**All India Institute of Medical Sciences, Kalyani**  
**1<sup>st</sup> Professional MBBS Examination 2020**

**Time: 3 Hrs.**

**Anatomy (Paper-I)**

**Marks: 100**

**INSTRUCTIONS:**

- Answer all questions and draw well labelled diagrams wherever necessary.
- Answer Sections A and B in separate answer booklets.
- Write answers in sequence and strike off all blank pages

**SECTION - A (50 MARKS)**

1. Describe the shoulder joint under the following headings [2+3+3+2 = 10]
  - a) Type of joint and articulating surfaces.
  - b) Ligaments.
  - c) Movements and muscles causing them.
  - d) Applied anatomy.
  
2. Write short notes on: [5 x 5=25]
  - (a) Classification of synovial joints with one example for each.
  - (b) Boundaries and contents of popliteal fossa.
  - (c) Clinical features and karyotype of Turner's syndrome.
  - (d) Subdivisions and derivatives of intra embryonic mesoderm.
  - (e) Microscopic structure of lymph node.
  
3. Answer in brief: [5 x 3=15]
  - (a) Embryological basis of ectopic pregnancy.
  - (b) Clinical significance of femoral canal.
  - (c) Enumerate the parts and branches of axillary artery.
  - (d) Which part of long bone is more prone for osteomyelitis in children and why?
  - (e) Anatomical basis of varicose veins in lower extremity.



**Section - B (50 marks)**

1. Describe the right kidney under the following headings: [2+4+2+2=10]
  - (a) Coverings
  - (b) Relations
  - (c) Internal features
  - (d) Blood supply
  
2. Write short notes on: [5 x 5=25]
  - (a) Portocaval anastomosis.
  - (b) Blood supply and lymphatic drainage of stomach.
  - (c) Microscopic structure of testis.
  - (d) Development of pancreas.
  - (e) Supports of uterus.
  
3. Answer in brief: [5 x 3=15]
  - (a) Structures within the prostate gland.
  - (b) List the constrictions of ureter with applied anatomy.
  - (c) Congenital anomalies of Vitello intestinal duct.
  - (d) Interior of urinary bladder.
  - (e) Enumerate the branches of internal iliac artery.