

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS First Professional Examination Nov-2023
Subject- Anatomy
Paper- II**

Time: 3:00 Hours

Max. Marks: 75

- a) All questions are compulsory**
- b) Draw diagrams wherever necessary**
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.**
- d) MCQ has to be answered in theory answer book**
- e) Please write MCQ answer neatly and in serial order with black or blue pen in brackets; for example:- 1. (a)
2. (c)**
- f) MCQ has to be answered only once, any kind of repetition or cutting or erasing or whitener will be considered as malpractice, such answers will not be counted in marks and action will be taken according to UFM rules of university.**
- g) Subjective answer should be answered in up to 30 words per marks. For example, if a question having 2 marks should answered in up to 60 marks.**

Q1. Total MCQs: 10

10 x 1 = 10

1. Following are the contents of spermatic cord EXCEPT

- (a) testicular vein
- (b) testicular artery
- (c) cremasteric artery
- (d) artery to vas deferens

2. Which nerve supplies the most of skin over femoral triangle

- (a) ilioinguinal
- (b) femoral
- (c) femoral branch of genito-femoral
- (d) intermediate cutaneous nerve of thigh

3. Positive Tredelenberg's sign test results from paralysis of which muscle

- (a) gluteus maximus
- (b) gluteus medius
- (c) psoas major
- (d) adductor magnus

4. Posterior wall of inguinal canal is formed by all of the following EXCEPT

- (a) conjoint tendon
- (b) fascia transversalis
- (c) parietal peritoneum
- (d) lacunar ligament

5. A child falls on spike, injuring the lateral margin of popliteal fossa, which one of the following nerves is liable to injury

- (a) tibial

- (b) common peroneal
 - (c) femoral
 - (d) sciatic
6. What type of stroma is present in prostate gland
- (a) reticular
 - (b) fibrofatty
 - (c) fibromuscular
 - (d) fibroelastic
7. Which structure is crossed by uterine artery 2cm lateral to cervix
- (a) fallopian tube
 - (b) ovarian artery
 - (c) obturator artery
 - (d) ureter
8. Trigone of urinary bladder is derived from
- (a) paraxial mesoderm
 - (b) lateral plate mesoderm
 - (c) intermediate mesoderm
 - (d) endoderm
9. Haploid number of chromosomes are seen in
- (a) spermatogonia
 - (b) primary spermatocyte
 - (c) secondary spermatocyte
 - (d) none of the above
10. Karyotype of down syndrome is
- (a) trisomy 13
 - ~~(b) trisomy 18~~
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(c) monosomy 21

(d) trisomy 21

Q2. Long Answer Questions

2 x 20 = 40

a. A 20-year-old girl complains of pain in abdomen in the umbilical region with nausea vomiting. Later on, the pain was shifted to Mc Burney's point. With above details answer the following questions

- i. Name the organ involved in this condition with its general anatomy
- ii. Peritoneal relations of this organ
- iii. What is Mc Burney's point
- iv. Anatomical basis of pain shifting

b. Discuss the type, articular surfaces, ligaments, relations, movements and muscles involved, clinical anatomy of knee joint

Q3. Brief Answer Questions

6 x 05 = 30

- a. Rectus sheath
- b. Development and descent of testis
- c. Locking and unlocking of knee joint
- d. Maintenance of arches of foot
- e. What is the significance of AETCOM module
- f. Compare histology: oesophagus and duodenum

Q4. Short Answer Questions

10 x 2 = 20

- a. Epiploic foramen
- b. Structures forming the stomach bed
- c. Openings in the diaphragm
- d. Hasselbach's triangle
- e. Contents of adductor canal
- f. Anal sphincters
- g. Muscles of guy ropes
- h. Dorsalis pedal artery
- i. Turner syndrome
- j. Barr body

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