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1st Prof.-MBBS—  
Anatomy-II

2021

ANATOMY

Paper — II

Full Marks : 100

Time : 3 hours

Answer **all** questions

*The figures in the right-hand margin indicate marks*

Draw diagrams wherever necessary

SECTION — A

[Marks : 50]

1. Describe the venous return of the lower I limb under following headings : 7 + 3 + 5
  - (a) Great saphenous vein and small saphenous vein.
  - (b) Peripheral heart.

( Turn Over )

(c) Varicose veins and their causes.

Or

Describe the femoral triangle under the following headings : 5 × 3

- (a) Boundaries
- (b) Contents
- (c) Applied.

2. Write short notes on any three : 5 × 3

- (i) Sensory innervations of dorsum of foot
- (ii) Turners syndrome
- (iii) Hunter's canal
- (iv) Blood supply of a long bone.

3. A 60 year old woman slipped in bath room. She complained of pain on the left hip and she was unable to move her left lower limb. The ortho-

paedic surgeon found her left limb to be rotated laterally and shortened. The radiography revealed fracture of neck of femur. 2 + 2 + 3 + 3

(a) Why fracture of neck of femur is more common in elderly women ?

(b) Why was the lower limb rotated laterally and got shortened ?

(c) What are the different types of fractures of the neck of femur ?

(d) What is avascular necrosis of head of femur ?

4. Answer briefly : 5 × 2

(a) Name two muscles in lower limb having sesamoid bone in their tendon.

(b) Name the abductors of hip joint.

(c) Enumerate the terminal branches of common peroneal nerve

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- (d) Name the everters of foot.
- (e) Name the nerves supplying pectineus muscle.

SECTION – B

[Marks : 50]

5. Describe stomach under the following headings : 5 × 3

- (a) Relations
- (b) Histology of fundic region
- (c) Lymphatic drainage.

Or

- Describe uterus under following headings : 5 × 3

- (a) Parts and relations
- (b) Supports of uterus
- (c) Histology of secretory phase of uterus.

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6. Write short notes on any three : 5 × 3

- (i) Ischiorectal fossa
- (ii) Omphalocele
- (iii) Lumbar sympathectomy
- (iv) Epiploic foramen.

7. Answer the questions after reading the clinical scenario :  $2\frac{1}{2} \times 4$

(a) A 60 year old man visited a surgeon with complains of painless bleeding and something coming out of the anus during defaecation but returned at the end of the act. The surgeon on examining the anus found that the folds of mucous membrane were coming out of the anus from 3, 7 and 11 O' clock positions. He diagnosed it internal haemorrhoids

- (i) What do you mean internal haemorrhoids ?

- (ii) Why is the bleeding painless ?
- (b) A twelve year old boy was brought to the casualty for pain in abdomen, fever and vomiting. The boy told the surgeon that initially the pain was in umbilical region and now he is having pain in right iliac fossa.
  - (i) Which region/organ is involved ?
  - (ii) Why was the pain initially in umbilical region and then the pain was felt in right iliac fossa ?

8. Write the *correct* answers of the following MCQs : 1 × 10

- (i) Most frequent site of ectopic pregnancy is
  - (a) Ovary
  - (b) Pouch of Douglas
  - (c) Ampulla of fallopian tube
  - (d) Omentum

(ii) Fibers of right crus of diaphragm are innervated by

- (a) Right phrenic nerve
- (b) Left phrenic nerve
- (c) Both right and left phrenic nerve
- (d) None of the above

(iii) Cardinal ligament of uterus is

- (a) Round ligament of uterus
- (b) Transverse cervical ligament
- (c) Broad ligament
- (d) Utero-sacral ligament

(iv) Which is not a branch of lumbar plexus

- (a) Ilio-inguinal nerve
- (b) Pudendal nerve
- (c) Obturator nerve
- (d) Femoral nerve

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- (v) Which is not a feature of small intestine
- (a) Plica circularis
  - (b) Taenia coli
  - (c) Villi
  - (d) Crypts of lieberkuhn
- (vi) Which is not a component of extra hepatic biliary apparatus
- (a) Bile canaliculi
  - (b) Bile duct
  - (c) Gall bladder
  - (d) Common hepatic duct
- (vii) Ejaculatory duct opens to
- (a) Urinary bladder
  - (b) Prostatic urethra
  - (c) Membranous urethra
  - (d) Recto-vesical pouch

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(Continued)

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- (viii) The suprarenal arteries are branches of the following arteries except :

- (a) Inferior phrenic
- (b) Renal artery
- (c) Gonadal artery
- (d) Abdominal aorta

- (ix) The arteries supplying the ureters are all except :

- (a) Renal artery
- (b) Superior vesical artery
- (c) Gonadal artery
- (d) Suprarenal artery

- (x) Submucosal glands are found in

- (a) Oesophagus
- (b) Stomach
- (c) Vermiform appendix
- (d) Jejunum

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