

MANIPAL UNIVERSITY**FIRST MBBS DEGREE EXAMINATION – AUGUST 2013****SUBJECT: ANATOMY: PAPER – I (ESSAY)
(OLD REGULATION)**

Monday, August 12, 2013

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 40

- ✍ **All questions are compulsory. Write brief, clear, relevant and legible answers.**
- ✍ **Illustrate your answers with diagrams and flow charts wherever appropriate.**

1. Describe the boundaries and contents of posterior triangle.

(4+4 = 8 marks)

2. Describe the parts and relations, arterial supply, fiber components and applied aspects of internal capsule.

(2+2+3+1 = 8 marks)

3. **Write short notes on:**

3A. Biceps brachii.

3B. Superficial palmar arch.

3C. Axillary lymph nodes.

3D. Umbilical cord.

3E. Klinefelter's syndrome.

3F. Buccinator.

3G. Ansa cervicalis.

3H. Epicranial aponeurosis.

(3×8 = 24 marks)



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Tuesday, August 13, 2013

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Maximum Marks: 40

- ✍ **All questions are compulsory. Write brief, clear, relevant and legible answers.**
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1. Describe the anatomical position, supports, arterial supply and development of uterus.
(1+5+1+1 = 8 marks)

2. Describe the extent, relations, branches and development of the arch of aorta.
(1+4+1+2 = 8 marks)

3. Write short notes on:

3A. Mesentery

3B. Deep perineal pouch

3C. Stomach bed

3D. Structure of typical synovial joint

3E. Microscopic structure of testis

3F. Saphenous opening

3G. Popliteus muscle

3H. Obturator nerve

• (3×8 = 24 marks)



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(NEW REGULATION)**

Monday, August 12, 2013

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

✍ **Illustrate your answers with diagrams and flow charts wherever appropriate.**

1. Describe the oculomotor nerve under the following headings:

1A. Origin and course

1B. Mention the branches and distribution

1C. Applied Anatomy

(4+4+2 = 10 marks)

2. A 10-year-old girl was admitted to the department of Neurology, with three weeks history of headache, vomiting mostly in the early morning, staggering gait, with frequent falls and slurred speech of consciousness. Her clinical examination revealed nystagmus, 'finger nose test positive' and dysdiadokinesis with intention tremors. Answer the following questions.

2A. Name the structure affected.

2B. Name the anatomical and functional parts of the structure.

2C. Name the nuclei present in it and give their connections.

(1+4+5 = 10 marks)

3. **Write short notes on:**

3A. External jugular vein

3B. Fornix

3C. Extensor retinaculum of wrist

3D. Thoracoacromial artery

3E. Histology of hyaline cartilage

3F. Bilaminar embryonic disc

3G. X-Linked Inheritance

3H. Maxillary sinus

3I. Lymphatic drainage of female mammary gland

3J. Mid palmar space

3K. III ventricle of the brain

3L. Histology of thick skin

3M. Nasociliary nerve

3N. Arterial anastomosis around the elbow

3O. Decidua

(4×15 = 60 marks)



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Maximum Marks: 80

✍ **All questions are compulsory. Write brief, clear, relevant and legible answers.**

✍ **Illustrate your answers with diagrams and flow charts wherever appropriate.**

1. A 45 year old mechanic is brought to the emergency department with complaints of chest pain which is severely constricting in nature, radiating to the neck and left upper limb. On investigation an infarct was found in the anterior 2/3rd of the interventricular septum. Based on the knowledge of blood supply to the heart:

1A. Name the specific branch involved in the present case

1B. Give the origin, branches and distribution of its parental artery

1C. What is coronary dominance?

1D. Nerve supply to the heart with reasons for pain radiating to the left upper limb.

(1+4+2+3 = 10 marks)

2. Describe the Uterus under:

2A. Position and normal axis

2B. Relations

2C. Muscular and ligamentous supports

2D. Blood supply

2E. Applied anatomy

(1+2+4+2+1 = 10 marks)

3. Short answers:

3A. Portocaval anastomosis and its clinical significance.

3B. Ischioanal fossa.

3C. Unlocking of knee joint.

3D. Femoral sheath.

3E. Microscopic structure of fundus of stomach.

3F. Descent of testis and cryptorchidism.

3G. Hepatorenal pouch.

3H. Transpyloric plane.

3I. Typical intercostal nerve.

3J. Costo-diaphragmatic recess.

3K. Dorsalis pedis artery.

3L. Gluteus medius muscle.

3M. Microscopic structure of trachea.

3N. Developmental anomalies of kidney.

3O. Blood supply of long bone.

(4×15 = 60 marks)

