FINAL EXAM DECEMBER 2010

ANATOMY

PAPER - I

Time Max. Marks	ANT/D/10/02/1	
	questions in order. ion carries 10 marks.	
1	What is exostropy of the urinary bladder? Give the embryological basis of the anomaly.	5+5
2	What are the stages in the development of primary intestinal loop from midgut? Add a note on abnormalities associated with its rotation. Name the parts of gastro intestinal system developing from it.	3+4+3
3	Describe the development and congenital anomalies of thoraco-abdominal diaphragm. Add a note on hiatus hernia.	4+3+3
4	Describe the molecular regulation of development of eye. Correlate it with the anomalies of development.	5+5
5	Describe the formation, structure and blood circulation of placenta. Add a note on clinical importance of blood-placental barrier in maternal diseases.	2+3+2+3
6	What are the factors influencing foetal growth? What are the procedures for assessing foetal growth and anomalies?	5+5
7	What is the microscopic structure of Juxtaglomerular Apparatus in kidney cortex? State the features of the cells with their functional significance	3+2+3+2
8	Describe the microscopic structure of classical hepatic lobule, portal lobule and portal acinus. What is the functional significance in liver transplantation?	2.5+2.5+2.5+2.5
9	 Describe the microscopic picture of compact bone under: a. Types of lamellae b. Cells of bone c. Inorganic and organic components of matrix. Add a note on microanatomy of fracture repair. 	2.5+2.5+2.5+2.5

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4+4+2

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Describe microscopic anatomy of lungs under the following headings:

a. Intrapulmonary passages

- b. Structure of alveolar wall with cells forming lining epithelilum
- c. Components of blood air barrier

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ANATOMY

PAPER - II

NT/D/10/02/II

6+4

3+4+3

2+4+4

7+3

2+4+4

10

6+4

1+5+2+2

			A
Time Max. Ma		: 3 hours : 100	
Attemp Each q	t all quest uestion ca	tions in order. arries 10 marks.	
1 _{0 SAG}	clinical de	the blood supply of the spinal cord. Add a note on efficits resulting from vascular lesions.	
2	following a. Ga b. Co c. Ap	nglia nnections plied anatomy	
3	this proc	umbar puncture. Write the indications for performing edure. What structures are encountered by the needle rforming lumbar puncture?	
4		e the various thalamic nuclei with their afferent and connections. Add a note on thalamic syndrome.	
5	a. Lo b. V ho	e the Primary Visual Area under following headings: ocation isuotopic representation in visual area of right cerebral emisphere lood supply ascular lesions and its consequences	
6	Descrik basal g	be the components, connections and clinical anatomy of anglia.	
7	Trace the reg	the sensory pathways carrying general sensations from ion of Head, Neck and Face to cerebral cortex.	<u>ן</u>
8	Draw I at the Syndro	abeled diagram to show the Transverse Section of pon level of facial colliculus. Add a note on Millard Guble ome.	S Pr

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PAPER - III

Time : 3 hours Max. Marks : 100

ANT/D/10/02/III

Attempt all questions in order. Each question carries 10 marks.

1	Describe the congenital inguinal hernia in brief. Add a note on its types. How will you differentiate it from direct inguinal hernia?	4+4+2
2	Describe the clinical syndromes associated with lesions of	6+4
	intervertebral disc. Add a note on sacralization of 5 th Lumbar	
	vertebra.	
3	Describe the anatomy of ischiorectal fossa. Add a note on anal	4+3+3
	fistulae and anal fissure.	
4	Describe hydrocephalus. Add a note on anatomy of shunting procedures.	6+4
5	Describe the lymph nodes in the neck. Add a note on radical neck dissection.	6+4
6	Write anatomical basis of death by hanging. Which part of the	6+4
	central nervous system is involved? Write its blood supply.	
7	Write the sequence of appearance of centres of ossification of	6+4
	carpal and tarsal bones. What is the medico-legal importance of	
	their presence?	
8	Illustrate with diagram the sites of portosystemic anastomosis	5+5
	showing portal and systemic components. Write anatomical basis	
	of shunt operations in portal hypertension.	
9	Describe cruciate ligaments of knee joint. How would you test the	6+4
	integrity of cruciate ligaments? Give their anatomical basis.	
10	Describe anatomical basis of contraception in males and females.	4+6

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ANATOMY

PAPER - IV

Time : 3 hours

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ANT/D/10/02/IV

	Time Max.	: 3 hours Marks : 100 Marks -	
いたいになって	Each	npt all questions in order. question carries 10 marks. short notes on:	
	1	Describe a lymph node with specific reference to its:a. Cellular zonesb. Lymphatic flowc. Vascular supply	5+2.5+2.5
	2	Describe the Brachial plexus under the following headings:a. Formationb. Branchesc. Deficits resulting from damage to median nerve above the elbow joint	2+3+5 oint
	3	 Write a note on specialized adhesive contacts of cells with reference to: a. Their types b. Structural characteristics c. Specific functions 	2+4+4
	4	Describe prostate gland under the following headings:a. Locationb. Parts and relationsc. Age changes	3+4+3
	5	Describe stomach under the following heads: a. Blood supply b. Lymphatic drainage c. Applied anatomy	4+3+3
	6	Describe the arterial supply of a growing long bone. Add a note on its clin significance.	ical 5+5
	7	Describe vocal cords under the following headings:a. Partsb. Movements and muscles causing them with their nerve supplyc. Clinical anatomy	2+5+3
	8	Describe the fibrous skeleton of the heart. Add a note on its applied anator	my. 7+3
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Write the anatomical basis of evaluation of various neurological reflexes of the 7+3 lower limb. Add a note on dermatomes of lower limb.

Write the anatomical basis of epistaxis. With the help of a diagram, illustrate 5+5 the site and arteries participating in the anastomosis at Little's area.

D. Branches

- Wills a note on snarlatized adhesive contacts of notic with refere
 - a Their types

- -

- b Structurei characterist
- Roeolfic functions
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