MANIPAL ACADEMY OF HIGHER EDUCATION (Deemed University)

MSc (FINAL) ANATOMY DEGREE EXAMINATION

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND **MORPHOLOGY**

	Monday, 27 November 2000				
	Time available: 3 hours	Maximum marks : 100			
* Answer all the questions. * Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.					
1.	Describe the temporomandibular joint. Discuss its applied aspects.	(25 marks)			
2.	Describe the ventricles of the heart. Add a note on atrio-ventricular	valves. (25 marks)			
3.	Describe the stomach in detail.	(25 marks)			
4.	Write short notes on:	(5x5=25 marks)			
4A.	Interossei of hand				
4B.	Nasolacrimal duct				
4C.	Popliteus muscle				
4D.	Cervix of uterus				
4E.	Right supra renal gland				

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PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Tuesday, 28 November 2000

	Time available : 3 hours		aximum marks : 100	
* Answer all the questions. * Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.				
1.	Describe the development of endodermal pouches of	primitive phary	nx. Discuss anomalies. (25 marks)	
2.	Discuss the microscopic structure of lymphatic tissu	e.	(25 marks)	
3.	Describe the development of urinary bladder and ur-	ethra. Discuss a	nomalies. (25 marks)	
4.	Write short notes on :		(5x5=25 marks)	
4A.	Autosomal dominance			
4B.	Anomalies of placenta			
4C.	Growth of cartilage			
4D.	Microscopic structure of veins			
4E.	Ossification centre			

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PAPER III: NEUROANATOMY AND RECENT ADVANCES

Wednesday, 29 November 2000

	Time available: 3 hours	Maximum marks : 100		
* Answer all the questions. * Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.				
1.	Describe the visual pathway. Discuss the effects of lesion at various le	evels. (25 marks)		
2.	Describe the nuclei, connections and functions of hypothalamus.	(25 marks)		
3.	Describe the peripheral parasympathetic ganglia.	(25 marks)		
4.	Write short notes on:	(5x5=25 marks)		
4A.	Subarachnoid cisterns	,		
4B.	Choroid plexus			
4C.	Fornix			
4D.	Artery of cerebral haemorrhage			
4E.	Parkinson's disease			