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SECOND YEAR B.Sc. M.I.T. DEGREE EXAMINATION - JUNE 2008

	SUB		ay, June 09, 2008	ROBIOLOGI
Tim	e: 3 Hrs.		.,,	Max. Marks: 80
Ø	Use SEPARATE AN		for each section.	a a politica AT
K	Answer all the ques	ion.		
	<u>S1</u>	ECTION - 'A':	PATHOLOGY:	40 MARKS
1.	Define neoplasia. Ta	bulate the differen	ences between ber	nign and malignant tumours. Add a
	note on spread of turn	ours.		
				(1+4+3 = 8 marks)
2.	Define and classify as	nemia. Describe t	he aetiology and cl	inical features of nutritional anemia.
				(7 marks)
3.	Write short notes on t	he following:		
3A.	Cellular events in acu	te inflammation.		
3B.	Fate of thrombus.			
3C.	Caseous necrosis.			
3D.	Pulmonary tuberculos	is.		
3E.	Aetiology, mode of ir	fection and clinic	al features of HIV	infection.
				$(5\times5=25 \text{ marks})$
	Thorne			
	SEC	TION - 'B' : M	CROBIOLOGY	: 40 MARKS
4A.	Match the following:			
	$\underline{Part - I}$	Part - II		
	1) Cholera	a) Milk		
	2) Influenza	b) Moso	quito	*
	3) Malaria	c) Wate	r	(1+2+2+1)/-1+1 + 3 mail +
	4) Brucella	d) Aero	sol	
4D	Pillia de la la			$(1\times 4=4 \text{ marks})$
4B.	Fill in the blanks:			
		shaped bacterium		
		n clusters are call		
		site of syn		
	iv) An example of a	sbestos disc filter	1S	

 $(1 \times 4 = 4 \text{ marks})$

Classify bacteria. Describe different methods of bacterial culture.

$$(4+4 = 8 \text{ marks})$$

6. Define Infection. Explain briefly the sources and modes of transmission of Infection.

$$(1+4+3 = 8 \text{ marks})$$

- 7. Write short notes on:
- 7A. Autoclave.
- 7B. Hepatitis B Vaccine.

$$(4 \times 2 = 8 \text{ marks})$$

- Write briefly on:
- 8A. Bacterial Cell wall.
- 8B. Opportunistic infections
- 8C. Sterilization by gases
- 8D. Urinary tract infection.

 $(2\times4=8 \text{ marks})$



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SECOND YEAR B.Sc. M.I.T. DEGREE EXAMINATION - JUNE 2008

SUBJECT: ENT AND ORTHOPAEDICS

Tuesday, June 10, 2008

Time: 3 Hrs.

■ USE SEPARATE ANSWER BOOKS FOR EACH SECTION.

ANSWER ALL QUESTIONS.

SECTION - 'A': ENT: 40 MARKS

Enumerate the causes of epistaxis and it's radiological evaluation.

(5+3 = 8 marks)

Max. Marks: 80

2. Describe the clinical features of Le forte I fracture and it's radiological evaluation.

(4+4 = 8 marks)

3. Enumerate the clinical features and evaluation of a child with adenoid hypertrophy.

(4+4 = 8 marks)

4. Describe the types of nasal bone fractures and their assessment.

(4+4 = 8 marks)

5. Enumerate the clinical features of pyriform fossa malignancy. What are the radiological investigations required in the assessment?

(4+4 = 8 marks)

SECTION - 'B': ORTHOPAEDICS: 40 MARKS

- 6. With reference to a 40 year old male with a closed fracture of the femur due to road traffic accident, explain the following:
- 6A. First aid to be given
- 6B. Complications.
- 6C. X-rays to be taken
- 6D. Outline of treatment

(2+2+2+2=8 marks)

 Define osteomyelitis. Discuss the pathogenesis, radiographic findings, investigations and complications of osteomyelitis.

 $(1+2+2+1\frac{1}{2}+1\frac{1}{2}=8 \text{ marks})$

- 8. Discuss:
- 8A. Arthrogram
- 8B. Orthopaedic implants.

(4+4 = 8 marks)

Discuss the causes of Perthes', septic arthritis, osteoporosis and fractures.

(2+2+2+2=8 marks)

10. Discuss the advantages of splints. Describe a Thomas splint.

(4+4 = 8 marks)

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SECOND YEAR B.Sc. M.I.T. DEGREE EXAMINATION - JUNE 2008

SUBJECT: FORENSIC MEDICINE

Wednesday, June 11, 2008

Time: 11/2 Hrs.

Max. Marks: 40

- Draw labeled diagram wherever necessary.
- Outline the procedure involved in disciplinary action against a doctor involved in "Professional Misconduct".

(5 marks)

2. Define Forensic Radiology. Explain its role in hospital setup.

(2+3 = 5 marks)

- 3. Explain:
- 3A. Vicarious liability
- 3B. Medical significance of ages 18 to 21 yrs.
- 3C. Warning and Warning Notice.
- 3D. Therapeutic Misadventure

 $(2\frac{1}{2} \times 4 = 10 \text{ marks})$

- 4. Write short notes on:
- 4A. Product liability
- 4B. Res ipsa loquitor
- 4C. Therapeutic privilege
- 4D. Informed Refusal

 $(2\frac{1}{2} \times 4 = 10 \text{ marks})$

- Explain:
- 5A. Corporate negligence
- 5B. Penal Erasure
- 5C. Medical maloccurence
- 5D. Novus Actus interveniens

 $(2\frac{1}{2} \times 4 = 10 \text{ marks})$



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Max. Marks: 40

MANIPAL UNIVERSITY

SECOND YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2008 SUBJECT: RADIOGRAPHIC SPECIAL PROCEDURES

Thursday, June 12, 2008

Answer ALL the questions. Each question carries EIGHT marks.

Time: 11/2 Hrs.

1.	Write in detail about indications, complications, contraindications and procedure of
	micturating cysto urethrogram.
2.	Describe in detail indications, preparations and procedure of barium enema.
3.	Discuss indications, contraindications and procedure of barium swallow.
4.	Write short notes on:
4A.	Low osmolar contrast media
4B.	Angiography catheters
5.	Write about indications and procedure of dacrocystography.

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Time	Time: 1½ Hrs. Max. Mar						
K	Answer ALL the questions.						
1.	Write a note on CT artifact with cause, appearance and remedy.						
		(8 marks)					
2.	Describe the principle of Doppler imaging and its application.						
		(8 marks)					
3A.	Explain the landmarks for the radiography of thorax with the labeled diag-	ram.					
3B.	Describe the radiographic view for apex of lungs.						
		$(4 \times 2 = 8 \text{ marks})$					
4.	List the radiographic views for Sacroiliac joint. Explain posterior obliquanatomy.	ue view with related					
	anatomy.	(8 marks)					
5.	List the name of cranial and facial bones. Explain PA view of skull.						
		(8 marks)					

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	SUBJECT: MEDICINE							
	Saturday, June 14, 2008							
Tin	ne: 1½ Hrs.	Max	x. Marks: 40					
Ø	Answer ALL the questions.							
1.	Define haemoptysis. What are the causes of hemoptysis and what investigations performed on haemoptysis?	are	radiological					
			(8 marks)					
2.	What is Malena? What are the clinical features of Malena? Enumerate Malena.	FOU	R causes of					
			(8 marks)					
3.	What is CPR? Describe its role in clinical practice.							
			(8 marks)					
4.	Define and classify Shock. Describe the clinical features.							
			(8 marks)					
5.	What are the clinical features of Renal Failure?							
			(8 marks)					



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SECOND YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2008

SUBJECT: SURGERY

Monday, June 16, 2008

Write short notes on the following:

- 1. Clinical features of appendicitis.
- 2. Clinical features of pneumoperitoneum.
- Causes of testicular swelling.
- Tissue biopsy.

Time: 11/2 Hrs.

Causes of hepatomegaly.

 $(8 \times 5 = 40 \text{ marks})$

Max. Marks: 40

