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UNIVERSITY OF RUHUNA - FACULTY OF MEDICINE THIRD BPHARM PART I EXAMINATION -DECEMBER 2015 PH 3153 PHARMACOLOGY III (SEQ)

TIME: THREE HOURS

(15 marks)

INSTRUCTIONS

- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use correction fluid.

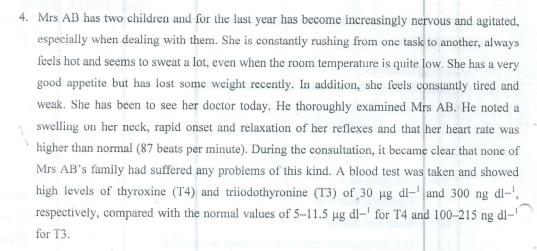
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Uş	e illustr	ations where necessary.	
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		again a grant store and annual and annual and annual annua	
1.	Write short notes on		
	1.1.	Parenteral nutrition	(30 marks)
	1.2.	Mucolytic agents	(30 marks)
	1.3.	Oral rehydration solution in moderate dehydration	(40 marks)
		Calculation of particular particular and a family of	
2.	Δηεινί	er all parts.	
2.	2.1.	Briefly explain the chemoprophylaxis.	(16 marks)
	2.2.	Name two genetic determinants of antibiotic resistance.	(04 marks)
		Briefly describe the mechanism of action of Sulfonamide and Trimethor	orim.
	2.3.	Briefly describe the mechanism of action of Sunonamide and Timeday	(25 marks)
		Curdumo" on odverce drug reg	
	2.4.	State the condition of "Steven-Johnson Syndrome", an adverse drug read	(05 marks)
		sulfonamides.	(03 marks)
	2.5.	Briefly discuss the pharmacokinetic of quinolones with two examples.	(20 1-)
		100/100	(20 marks)
	2.6.	Write brief notes on following topics.	
		2.6.1. Quinolone contraindications.	(10 marks)
		2.6.2. Nitrofurantoin.	(10 marks)
		2.6.3.Sulfonamides and trimethoprim clinical uses.	(10 marks)
,	2 Ans	wer all parts.	
•), [1115	anneg Ha now to	
	3.1.	List five effects of estrogen on the body.	(15 marks)
		Sign of the state	(20 marks)
	3.2.		
	3.3.	Describe the pharmacological basis of using clomiphene in induction	(30 marks)

State the reason/s of using progestin in the clinical uses mentioned in 3.4. (20 marks)

List three clinical uses of progestin.

3.4.

3.5.



4.1 Where is the thyroid gland located in the body?

(10 marks)

4.2 Which hormones are secreted by the thyroid gland? Which is the most active of the thyroid hormones? (15 marks)

4.3 What are the common causes of hyperthyroidism?

(15 marks)

Name two drugs used to treat hyperthyroidism. Your answer should include examples, their mechanisms of action and side effects.

(40 marks)

4.5 What are the advices should be given to patient while dispensing anti-thyroid drugs?

(20 marks)

5. Answer all parts.

5.1 Describe the pharmacological basis of using insulin in type 1 diabetes.

(40 marks)

5.2 List five adverse effects of insulin therapy.

(10 marks)

5.3 Describe the advice you would give to a patient who is given insulin therapy for the first time.

(50 marks)

6. Answer all parts.

6.1 Name five oral hypoglycaemic drugs.

(10 marks)

6.2 Describe the pharmacological basis of using biguanides in diabetes.

(40 marks)

6.3 Discuss the differences between biguanides and sulphonylureas.

(50 marks)