


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Course: Pharmacotherapeutics Program: M.Sc. (Clinical Research) Course Code: HSCR8002		Semester: III Time : 03 hrs. Max. Marks: 100	
Instructions: Attempt all the questions			
Q.No	Section A Short answer questions/ MCQ/T&F	(20Q x1.5M= 30 Marks)	COs
Q	Attempt all the questions		CO
1.	Which of the following is the clinical presentation of diabetes? a) High blood pressure b) Low RBC count b) High lipid profile d) Hyperglycemia	1.5	CO3
2.	Which of the following signifies asthma? a) Breathing shortness b) Chest pain b) Wheezing d) All of the above	1.5	CO3
3.	Which of the following is a drug for peptic ulcer? a) Ranitidine b) Montelukast c) Captopril d) Salbutamol	1.5	CO1
4.	Which of the following drugs is not used for COPD? a) Corticosteroid b) Beta 2 agonist c) Diuretic d) Anticholinergic	1.5	CO2
5.	Myocardial infarction is characterized by? a) Ischemia b) Clot formation c) Both a & b d) None of the above	1.5	CO1
6.	Characteristic of type 2 diabetes is a) B cell destruction b) Insulin dependent c) Insulin resistance d) Early onset	1.5	CO2
7.	Hypothyroidism is characterized by all except. a) Bradycardia b) Weight gain b) Diarrhea d) Constipation	1.5	CO3

4.	Elaborate the differences between COPD and Asthma.	5	CO4
Section C		(2Qx15M=30 Marks)	
Q	Attempt all the questions (Case studies)		CO
1.	<p>Background: A patient felt tired, weight loss and thirsty. The patient used to consume excessive sweet dishes and had family history of hyperglycemia.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. Which disease could probably be there? 2. How the disease can be diagnosed? 3. Which pathophysiology may play the role here? 4. What are the treatment options? 5. What could be the further complications if not treated? 	5*3=15	CO1, CO2, CO3, CO4
2.	<p>Background:</p> <ul style="list-style-type: none"> • An elderly person was observed and found to experience tremor at rest, muscle rigidity and hypokinesia? <p>Questions:</p> <ol style="list-style-type: none"> 1. Name the disease based on above signs and symptoms? 2. Which organ system is involved in this condition? 3. What are the pathogenesises of the disease? 4. Name the drugs for treatment for the disease. 5. What additional advice the patient can be given for relief? 	5*3=15	CO1, CO2, CO3, CO4
Section D		(2Qx10M=20 Marks)	
Q	Attempt all the questions		CO
1.	Mention the etiology, pathophysiology, diagnosis, and treatment of Hypertension.	10	CO1, CO2, CO3
2.	What is hypo and hyperthyroidism? Mention their differences in terms of pathophysiology, diagnosis, symptoms, and treatment.	10	CO1, CO2, CO3