

End Semester/Reappear (Semester V) Examination December, 2024

Programme:BPT
Course: Cardiopulmonary
Course Code: 23A503
Enrolment no. _____

Full Marks: 70
Time: 3 Hrs.

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
Section I				
1	Short Answer type questions.			
a	Describe coronary circulation of heart.	CO1	Understand	4 x 5 = 20
	or			
b	List the different segments of lungs.	CO1	Remember	
	or			
c	Explain the importance of monitor in ICU.	CO2	Understand	
	or			
d	Explain the mechanism of head injury.	CO2	Understand	
	or			
e	Write a short note on oxygen therapy.	CO3	Remember	
	or			
f	Explain ACBT.	CO3	Understand	
	or			
g	List the symptoms of pulmonary oedema.	CO4	Remember	
	or			
	What are the different pathologies in tetralogy of fallot?	CO4	Remember	
Section II				
Long Answer type questions.				
2	Define Beurger's Disease and its primary causes, clinical features and management of it.	CO6	Remember	3 x 10 = 30
	or			
3	Describe the differences between peripheral vascular disease and DVT.	CO6	Understand	
	or			
4	Explain the differences between Pneumonectomy and lobectomy in terms of surgical procedure and anatomical impact.	CO5	Understand	
	or			
5	Describe the differences between on Pump and off pump CABG.	CO5	Understand	
	or			
6	Analyze how a neuromuscular disease can affect cardiorespiratory system.	CO4	Analyze	
	or			
	Analyze how pulmonary TB affects the respiratory system including the mechanics of breathing, gas exchange and lungs compliance.	CO4	Analyze	
Section III				
Application based questions				
7	Analyze different mechanical Aids like PEP, Acapella, RC Cornet and Flutter. How it is differed from each other in terms of mechanism and function ?	CO3	Analyze	1 x 20 = 20
	or			
	Compare the advantages and disadvantages of invasive versus no-invasive mechanical ventilation. What are differences in ventilator management for patients with obstructive and restrictive lung disease.	CO3	Analyze	

COURSE OUTCOME

At the end of the course candidate will able to

CO1: Recall anatomy and physiology of cardiopulmonary system

CO2: Assess cardiopulmonary system

CO3: Use different instrument like PEP, Flutter, Acapella, RC Cornet, IPPB, Suctioning, O2 Therapy and Mechanical Ventilation, etc

CO4: Identify different types of cardiopulmonary condition and its management.

CO5: Understand different cardiothoracic surgery

CO6: Describe different vascular disease etc.