

Fourth Year Bachelor of Occupational Therapy Degree Supplementary Examinations March 2025**Clinical Cardio Respiratory and Work Physiology****Time: 3 Hours****Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Elaborate on**(2x20=40)**

1. A patient is admitted with history of trauma to chest after a road traffic accident. On evaluation the patient is having pneumothorax. What are the other causes of pneumothorax. What are the clinical features of pneumothorax. Describe on the management of pneumothorax
2. List the conditions requiring closed heart surgery. Describe briefly on the clinical features and management of Patent Ductus Arteriosus

Write notes on**(8x5=40)**

3. Coronary circulation
4. Muscle metabolism during exercise
5. Management of COPD
6. Systemic hypertension
7. Tracheostomy
8. Effect of training on VO₂ max
9. Heat stroke in athletes
10. Degrees of exercise

Short Answers**(10x2=20)**

11. Normal ECG
12. Cough reflex
13. Rib resection
14. Aspergillosis
15. Fast twitch vs slow twitch muscle fibres
16. Lung contusion
17. Aortic stenosis
18. Endocrine response during exercise
19. Advantages of endurance training
20. Blood pressure changes during exercise
