

THE APOLLO UNIVERSITY

Saketa, Chittoor, AP

AHS- V Semester End Examination, June-2024

Paper-II- RTTT 3502-RESPIRATORY THERAPY TECHNIQUES – II

Time: 3 hours

Max. Marks: 60

Section –A (10x2=20 marks)

Answer all Questions with short notes

1. What is oxygen delivery devices?
2. Define high flow nasal cannula?
3. Define hypoxemia?
4. Draw a neat label diagram of hyperbaric oxygen therapy
5. Mention the pharmacokinetics of NO?
6. Write any four indications of heliox therapy?
7. Define humidification?
8. What do you know about nebulizers? List the types of nebulizers
9. What do you know about percussion?
10. Define PEP therapy?

Section –B (5X8=40 marks)

Answer all Questions either A or B in 400 words each

11. A) Mention in detail about i) Venturi mask, ii) non-partial rebreathing mask, iii) HFNC, iv) Face tent.

OR

B) Define oxygen concentrator? Explain a detail note on its indications, contraindications and complications

12. A) What is oxygen therapy? Mention the goals of oxygen therapy, indications and contraindications of oxygen therapy.

OR

B) Write a brief note on: i) Goals of O₂ therapy, ii) Need of O₂ therapy, iii) Oxygen toxicity.

Cont....

13. A) Define nitric oxide therapy? Explain in detail about the role of NO, Timeline and mechanism of action of nitric oxide.

OR

B) Mention a detail note on goals, administration, indications, Hazards and problem of Heliox-therapy?

14. A) Discuss in detail about the definition and indications of humidifier. Mention briefly about passive humidifier.

OR

B) Mention briefly about the definition and usage technique of:

i) Nebulizer's, ii) MDI, iii) DPI.

15. A) Elaborate in detail about “Forced Expiratory Technique” and “High-frequency chest compression”.

OR

B) Mention the indications and contraindications of: i) Percussion, ii) Vibration, iii) Postural drainage.
