

THE APOLLO UNIVERSITY

Saketa, Chittoor, AP

AHS- IV Semester End Examination, June, 2024

PAPER -III - RTTT25056

DIAGNOSTIC TECHNIQUES IN PULMONARY DISEASES-II

Time: 3 hours

Max. Marks: 60

Section –A (10x2=20 marks)

Answer all Questions with Short Answers

1. What are the contraindications of rigid bronchoscopy?
2. Write any 6 contraindications of flexible fiber optic bronchoscopy?
3. Define “capnography”? Mention the normal value of EtCO₂.
4. Define pulse oximeter?
5. What is ECG?
6. Define sinus arrhythmia?
7. What is EOG?
8. What is STOP BANG?
9. How to identify rotations in chest X ray?
10. What is CT scan?

Section –B (5X8=40 marks)

Answer all Questions either A or B in 400 words each

11. A) Discuss in detail about rigid bronchoscopy.

OR

B) Mention in detail about the equipment's, indications, procedure, contraindications and complications of cryolung biopsy.

12. A) Define ABG? Write detail about the ABG sample collection technique.

OR

B) Define Henderson-Hasselbalch equation? Explain in detail about the respiratory acidosis and respiratory alkalosis.

13. A) What is electro cardiogram? Mention in detail about the normal ECG graph pattern, waves and duration of each wave.

OR

B) Mention briefly about the abnormal ECG pattern a) Atrial flutter, b) Ventricular tachycardia.

Cont....

14. A) Mention in detail about CNS monitoring in polysomnography.

OR

B) Discuss in detail about the levels of sleep study.

15. A) Explain in detail about Chest X Ray interpretation.

OR

B) What is computed tomography? Write a detail note on the principle, indications procedure and contraindications of CT scan.
