

# National Board of Examinations

**Question Paper Name :** DNB Respiratory Medicine Paper4  
**Subject Name :** DNB Respiratory Medicine Paper4  
**Duration :** 182  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0  
**Is Section Default? :** No

**Question Number : 1 Question Id : 32718745442 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Describe various techniques of bronchoscopic lung volume reduction with their relative merits and demerits. [10]

**Question Number : 2 Question Id : 32718745443 Consider As Subjective : Yes**

- a) Oxygen toxicity. [5]  
b) Applications of exhaled breath nitric oxide in respiratory conditions. [5]

**Question Number : 3 Question Id : 32718745444 Consider As Subjective : Yes**

Enlist the driver mutations responsible for tumour progression in non-small cell lung cancer. Mention limitation and toxicity of tyrosine kinase inhibitors in the management of non-small cell lung cancer. [4+3+3]

**Question Number : 4 Question Id : 32718745445 Consider As Subjective : Yes**

- a) Describe diagnosis and management of progressive pulmonary fibrosis. [3+2]
- b) Evaluation of a non-smoker, 40-year-old male patient with UIP pattern ILD. [5]

**Question Number : 5 Question Id : 32718745446 Consider As Subjective : Yes**

- a) Cystic fibrosis modulator therapies. [5]
- b) Elaborate associations between lung microbiome in healthy and disease states. [5]

**Question Number : 6 Question Id : 32718745447 Consider As Subjective : Yes**

- a) Indications, technique and complications of mediastinoscopy. [2+2+2]
- b) Comparison of various stents for management of airway obstruction. [4]

**Question Number : 7 Question Id : 32718745448 Consider As Subjective : Yes**

- a) Navigation bronchoscopy in the context of lung cancer screening. [5]
- b) Autofluorescence technique in diagnostic pulmonary procedures. [5]

**Question Number : 8 Question Id : 32718745449 Consider As Subjective : Yes**

- a) Echocardiographic findings in acute pulmonary thromboembolism. [5]
- b) Utility of ultrasound in non-pleural chest diseases. [5]

**Question Number : 9 Question Id : 32718745450 Consider As Subjective : Yes**

- a) Immune related adverse events secondary to immune checkpoint inhibitors. [5]
- b) HRCT patterns of CTD ILD. [5]

**Question Number : 10 Question Id : 32718745451 Consider As Subjective : Yes**

- a) Evidence and principles of extracorporeal carbon dioxide removal. [5]
- b) Newer pharmacological advances in the management of severe COPD. [5]