

# National Board of Examinations

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| <b>Question Paper Name :</b>      | Diploma Tuberculosis and Chest Disease<br>Paper1 |
| <b>Subject Name :</b>             | Diploma Tuberculosis and Chest Disease<br>Paper1 |
| <b>Duration :</b>                 | 182  |
| <b>Total Marks :</b>              | 100  |
| <b>Display Marks:</b>             | No   |
| <b>Maximum Instruction Time :</b> | 0  |
| <b>Is Section Default? :</b>      | No   |

**Question Number : 1 Question Id : 32718748575 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. a) Discuss in brief about the stages of lung development. [5]  
b) Sequestration of the lung. [5]

**Question Number : 2 Question Id : 32718748576 Consider As Subjective : Yes**

- a) Sensitivity and specificity. [5]  
b) Types of bias in biostatistics. [5]

**Question Number : 3 Question Id : 32718748577 Consider As Subjective : Yes**

- a) Describe in brief the anatomy of the thoracic duct with important landmarks with a neatly labelled diagram. [6]  
b) Discuss the etiology, pathogenesis, investigations and management of chylothorax. [4]

**Question Number : 4 Question Id : 32718748578 Consider As Subjective : Yes**

- a) Discuss regarding the recent update in classification of mediastinum. [5]  
b) Bronchogenic cyst. [5]

**Question Number : 5 Question Id : 32718748579 Consider As Subjective : Yes**

- a) Discuss in brief about defence mechanisms of the lungs. [5]  
b) Surfactant homeostasis and its physiology. [5]

**Question Number : 6 Question Id : 32718748580 Consider As Subjective : Yes**

- a) Describe the physiology of cough. [5]
- b) Discuss regarding cough reflex and the locations of cough receptors. [5]

**Question Number : 7 Question Id : 32718748581 Consider As Subjective : Yes**

- a) Discuss regarding muscles of respiration and their importance. [5]
- b) 6-minute walk test and its importance. [5]

**Question Number : 8 Question Id : 32718748582 Consider As Subjective : Yes**

- a) Principles of aerosol therapy. [6]
- b) Mention 4 drugs used as aerosols in respiratory diseases. [4]

**Question Number : 9 Question Id : 32718748583 Consider As Subjective : Yes**

- a) Components of AQI – Air quality index. [5]
- b) Air pollution and its impact on lung health. [5]

**Question Number : 10 Question Id : 32718748584 Consider As Subjective : Yes**

- a) Discuss in brief about assessment of lung volumes. [5]
- b) Enumerate various types of graphs in spirometry and their clinical relevance. [5]