

FELLOWSHIP IN PEDIATRIC PULMONOLOGY
FELLOWSHIP IN PEDIATRIC PULMONOLOGY : WINTER- 2022
SUBJECT : PAPER-I

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 18-10-2022

W-25129-2022

Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

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- Q.1** Discuss normal anatomy of airways and gas exchange units with functions of various cell types in health and disease. [10]
- Q.2** Define various lung volume and capacities. Briefly discuss principle/tests for their measurement and their clinical application. [10]
- Q.3** Discuss physiology of cough reflex and approach to a child with chronic cough. [10]
- Q.4** Discuss acceptability and repeatability criteria of spirometry and differences between preschool and school age spirometry. [10]
- Q.5** Discuss principle, procedure and clinical application of DLCO.
- Q.6** Write notes on the following: [10]
a) Airway clearance techniques
b) Role of inflammatory in ped pulmonology
- Q.7** Describe the principle and differences between CPAP and BIPAP and their clinical indications. [10]
- Q.8** Write note on the following: [10]
a) Diagnostic criteria and grading of BPD
b) D/D of multiple nodules on CECT chest
- Q.9** Write clinical features, investigations and management of pulmonary sequestration. [10]
- Q.10** Describe various congenital laryngeal disorders. Outline the management plan for congenital subglottic stenosis [10]

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