

National Board of Examinations

Question Paper Name :	DNB Respiratory Medicine Paper1
Subject Name :	DNB Respiratory Medicine Paper1
Creation Date :	2022-06-25 17:18:18
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Respiratory Medicine Paper1

Group Number :	1
Group Id :	3271871190
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Respiratory Medicine Paper1

Section Id :	3271871193
Section Number :	1

Section type : Offline
Mandatory or Optional : Mandatory
Number of Questions to be attempted : 10
Section Marks : 100
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 3271871197
Question Shuffling Allowed : No

Question Number : 1 Question Id : 32718710952 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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) Describe the role of surfactant in health and disease. [5]
b) Write a brief note on physiologic control of pulmonary circulation. [5]

Question Number : 2 Question Id : 32718710953 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe various mechanisms of hypoxemia. [10]

Question Number : 3 Question Id : 32718710954 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

- a) Application of genomics in pulmonary diseases. [5]
- b) Enumerate causes of anion gap acidosis. [5]

Question Number : 4 Question Id : 32718710955 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is work of breathing? How will you measure work of breathing during positive pressure ventilation in a paralyzed patient and spontaneously breathing patient? [10]

Question Number : 5 Question Id : 32718710956 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Write a note on therapeutic aerosol delivery devices – types, advantages and disadvantages of each. [10]

Question Number : 6 Question Id : 32718710957 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe the patho-physiology of pleural fluid formation in health and disease. [10]

Question Number : 7 Question Id : 32718710958 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe various sampling techniques for peripheral lung nodule. [10]

Question Number : 8 Question Id : 32718710959 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Classify diffuse parenchymal lung diseases. [5]
- b) What is intrinsic or auto-PEEP and its clinical relevance. [5]

Question Number : 9 Question Id : 32718710960 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss the various methods to assess diaphragm function. [10]

Question Number : 10 Question Id : 32718710961 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the utility of bedside ultrasonography in a patient with acute respiratory failure? [10]