

National Board of Examinations

Question Paper Name : DrNB PAEDIATRIC CRITICAL CARE Paper1
Subject Name : DrNB PAEDIATRIC CRITICAL CARE Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740794 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. Discuss biomarkers and neuro-monitoring for febrile status epilepticus. [10]

Question Number : 2 Question Id : 32718740795 Consider As Subjective : Yes

- Pathophysiology and implications of the veno-arterial PCO₂ gap in septic shock. [5]
- Consequences of vasoplegia in septic shock. [5]

Question Number : 3 Question Id : 32718740796 Consider As Subjective : Yes

- Optimizing transfusion therapy in critically ill children with anemia. [5]
- Risk factors and predictors of thromboembolic events in critically sick child. [5]

Question Number : 4 Question Id : 32718740797 Consider As Subjective : Yes

- a) Monitoring loss of muscle mass in PICU. [5]
- b) Challenges in estimating severity of AKI in sick children. [5]

Question Number : 5 Question Id : 32718740798 Consider As Subjective : Yes

- a) Utility of renal replacement therapy in poisoning and drug overdose. [5]
- b) Significance of lactate clearance. [5]

Question Number : 6 Question Id : 32718740799 Consider As Subjective : Yes

- a) Discuss rationale for choosing respiratory support in hypoxic respiratory failure. [5]
- b) Effects of mechanical ventilation on circulatory status. [5]

Question Number : 7 Question Id : 32718740800 Consider As Subjective : Yes

Pathophysiology of persistent inflammation, immunosuppression and catabolism syndrome (PICS) in critically sick children. [10]

Question Number : 8 Question Id : 32718740801 Consider As Subjective : Yes

- a) Discuss principles of ultrasound in assessment of lung conditions. [5]
- b) Determinants of adequate oxygen delivery. [5]

Question Number : 9 Question Id : 32718740802 Consider As Subjective : Yes

- a) Discuss various methods of randomization in research studies. [5]
- b) Describe steps involved in conducting systematic review. [5]

Question Number : 10 Question Id : 32718740803 Consider As Subjective : Yes

- a) Structural basis for sodium channel function. [5]
- b) Effect of sodium channelopathies on muscle and brain function. [5]