

**PAEDIATRIC INTENSIVE CARE**  
**THEORY PAPER****Time : 3 hours****Max. Marks : 100****Attempt all questions in order.**  
**Each question carries 10 marks.****Write short notes on:**

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|-----|---|---------|
| 1.  | a) Define HAI (Hospital Acquired Infection).<br>b) List diagnostic criteria for various HAIs.<br>c) Describe clinical signs and management of a child with suspected HAI in PICU.   | 2+4+4   |
| 2.  | Write briefly on ultrasound guided mechanical ventilation.  | 10      |
| 3.  | a) Hyperferretenemia in PICU (causes and management).<br>b) Paroxysmal sympathetic hyperactivity in PICU (diagnosis and management).  | 5+5     |
| 4.  | Describe various invasive and non-invasive methods of ICP monitoring.   | 10      |
| 5.  | a) Define super refractory status epilepticus.<br>b) Describe its causes and management in PICU.  | 3+(2+5) |
| 6.  | Assessment of muscle weakness and wasting in pediatric critical illness.  | 10      |
| 7.  | A 1-year-old previously healthy child was admitted to PICU with history of respiratory distress of 2 days with inability to feed and 4-5 loose stools per day on first day. On examination, HR was 160/min and CFT 4 sec with poor volume pulse. Chest had few crepts on auscultation. Describe approach to diagnosis and management of this child. | 4+6     |
| 8.  | a) Left ventricular diastolic dysfunction in pediatric sepsis.<br>b) List conditions requiring airway reconstruction.   | 5+5     |
| 9.  | a) Define pediatric massive transfusion.<br>b) Describe its pathophysiology and management.   | 3+(3+4) |
| 10. | a) Define hypertensive emergency and urgency.<br>b) Describe management of hypertensive emergencies.<br>c) Write briefly about PRES.  | 2+5+3   |

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