**Titles for competitive critical Care Diploma Exam/ 2021-2022**

**Titles**

* **Concepts of critical care and intensive care**
* **History of critical care units**
* **Unit designs**
* **Care Models**
* **Goals of Care**
* **Understanding principles of Triaging**
* **Understanding the role of BLS and ACLS protocols**
* **Patient & Family Response to Critical Care**
* **Ethical and Legal Issues in Critical Car**
* **Shock : Distributive, Hypovolemic, Cardiogenic & Obstructive**

**• Etiology& Pathophysiology • Clinical Signs & Symptoms, including hemodynamics • Management – Pharmacologic & Non- pharmacologic • Evaluation of Treatment Plan • Goals of Care • Nursing Care for patients in shock states**

* **SBAR model**
* **Guidelines for Admission to Critical Care**
* **Level O & Level 1 criteria**
* **Level 2 criteria**
* **Level 3 criteria**
* **Level 3S criteria**
* **Advanced Principles of Oxygen and Ventilation**

• **Oxyhemoglobin Dissociation Curve**

• **Supplemental oxygenation; pulse oximetry**

* **Cardiac Biomarkers in ICU Lit.**
* **Hypertensive crisis**
* **Sedation and Analgesia Paralytics in critical units**
* **Renal System**
* **Renal Failure**
* **Etiology of Acute Kidney Injury/Disease**
* **(AKI/AKD)**
* ** Management of AKI**
* ** Renal Replacement Therapies**