

**The West Bengal University of Health Sciences**  
**M.D. (Anaesthesiology) July - August, 2021 Examination**

Paper: IV

Full Marks: 100  
Time: 3 Hours*Attempt all questions*

1. Discuss the principles involved in weaning, patients from ventilator support in ICU. 10
2. What are the physiological basis of high flow nasal oxygenation ? What are its indication in anaesthesia and critical care ? 5+5
3. Write a short note on.: 5+5
  - a) Role of ultrasound in anesthesia.
  - b) Video laryngoscope.
4. How do you assess and manage a victim in 60% hot water burns. 10
5. Discuss ERAS protocol for ambulatory surgery. 10
6. Enumerate the steps of CPR in confirmed covid-19 patient. 10
7. Write short notes on. 5+5
  - a. Anionic Gap acidosis
  - b. Procalcitonin
8. Discuss symptoms, signs and management of post-herpetic neuralgia. 10
9. Describe semi-invasive and non-invasive methods of measuring cardiac output . 5+5
10. What is frailty ? How to recognize frailty ? What is its implications in anaesthesia ? 2+3+5