

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

Paper: I

Full Marks: 100  
Time: 3 Hours

*Attempt all questions*

1. Describe anatomy of Branchial plexus. Discuss various approaches for Branchial plexus block. 6+4
2. Describe the anatomy & physiology of neuromuscular junction. Discuss about intraoperative neuromuscular monitoring. 6+4
3. What is metabolic acidosis? Discuss clinical manifestation & management of metabolic acidosis. 2+4+4
4. What are the predictors of difficult mask ventilation in adult patient. Describe various modalities to overcome difficult mask ventilation 5+5
5. Write a short note on : 5+5
  - a) Dose Response curve
  - b) Oxygen Cascade
6. Discuss about various methods used to suppress laryngoscopic pressure response. Describe in brief about role of Mgso4 in anesthesia. 5+5
7. Describe the principles of pulse oximetry. What are its limitations. 10
8. Discuss the recognition and management of intraperative anaphylaxis. 5+5
9. What are perioperative ventricular arrhythmias and their management. Classify antiarrhythmic drugs. 10
10. Write a short note on preoperative anesthesia clinic. 10