

The West Bengal University of Health Sciences
M.D. (Anaesthesiology) March-April, 2020 Examination

Paper: I

Full Marks: 100
Time: 3 Hours

Attempt all questions

1. Describe the oxygen dissociation curve alongwith a neat diagram. What are factors affecting the oxygen dissociation curve. 5 + 5
2. Describe the nerve supply of foot with a neat diagram . Explain the technique of ankle block. 5 + 5
3. Classify the intravenous anaesthetic agents. Compare and contrast ketamine with propofol. 5 + 5
4. Describe the antomy of coronary circulation with a diagram . Enumerate the factors affecting myocardial oxygen demand and supply for a patient with coronary artery disease posted for a major noncardiac surgery. 5 + 5
5. Describe the coagulation cascade in brief. Explain management of patient with disseminated intravascular coagulation ? 5 + 5
6. Describe the physiologic effects of following positioning in anaesthesia. 5 + 5
 - a) Sitting Position
 - b) Prone Positioning
7. Enumerate the physiologic changes in pregnancy with regard to respiratory and cardiovascular system. 5 + 5
8. Enumerate the various bedside airway assessment tests. How do you manage a difficult airway . 5 + 5
9. Enumerate the causes of hyponatremia, signs of hyponatremia with respect to serum leves of sodium, and management of hyponatremia. 5 + 5
10. Classify vaporizers . Enumerate the factors that affect the vaporizer output. 5 + 5