

The West Bengal University of Health Sciences
M.D. (Anaesthesiology) May - June, 2022 Examination

Paper: II

Full Marks: 100

Time: 3 Hours

Attempt all questions

1. How do you diagnose Diabetes mellitus? What are the peri-operative goals of glycaemic control? How do you manage medications used in glycaemic control in the preoperative period? 2+2+6
2. What is awareness during anaesthesia? What are its consequences? Enumerate the different ways for monitoring intra-operative awareness. 2+3+5
3. Classify Supraglottic Airway Devices (SAD). What are the modifications done in third generation SAD? What are the complications associated with SADs? 4+2+4
4. What are problems of hypothermia? How do we monitor temperature? Explain the various ways to prevent intraoperative hypothermia in an adult patient? 3+2+5
5. Describe the stepwise approach of a patient preoperatively to determine risk of Major adverse Cardiac event. 10
6. Define FRC and its importance during general anaesthesia. What is 'Three legged stool' in pulmonary function test? 4+6
7. Write in short the pathophysiology of Myasthenia Gravis. Discuss the merits and demerits of muscle relaxants in relation to it. 4+6
8. Write short notes on: 5+5
 - a) Oxygen flux
 - b) Clinical uses of evoked potentials.
9. What are the purposes of keeping anesthesia records? What are the key elements to be documented in the anesthesia records? 3+7
10. How anesthesia residents will prepare operating room before the start of any surgical procedure / any intervention? 10