

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

Paper: II

Full Marks: 100

Time: 3 Hours

Attempt all questions

1. What is chronic obstructive pulmonary disease ? How will you manage oxygenation and pain in post-operative period of a case of COPD Undergoing upper abdominal surgery ? 4 + 6
2. Discuss the diagnosis and management of local anaesthetic toxicity. 5 + 5
3. Compare and contrast: 5 + 5
 - a) Clonidine with Dexmedetomidine
 - b) Bupivacaine with Ropivacaine
4. Define chronic kidney disease . What are the anaesthetic considerations of a 40 year old male with chronic kidney disease scheduled for intertrochanteric fracture femur surgery. 5 + 5
5. Describe the preoperative assessment and anaesthetic management of a 30 year old primigravida with pregnancy Induced Hypertension for emergency caesarean section. 5 + 5
6. Explain the various strategies of extubation in a patient with difficult airway. 10
7. Enumerate the causes of arrhythmias during anaesthesia and describe the management of intraoperative arrhythmias. 5 + 5
8. Enumerate the functions of liver . Discuss the anaesthetic implications in a patient with cirrhosis and ascites. 5 + 5
9. Describe the functional analysis of Bain's circuit. How will you check the functional integrity of Bain's circuit. 5 + 5
10. Write short notes on . 5 + 5
 - a) Crystalloids vs colloids
 - b) Acute normovolemic haemodilution