Write short notes on: PART A

1. a) Pharmacokinetics and pharmacodynamics of ropivacaine. 

   b) Compare ropivacaine with bupivacaine and levobupivacaine. 

   (3+3)+4

2. Clinical features, diagnostic criteria and management of snake bite poisoning. 

   3+3+4

3. a) What are the indications of caudal epidural in pediatric patients undergoing surgery?

   b) Its technique and complications. 

   2+(4+4)

4. a) What are anaesthesia vaporizers?

   b) How are these classified? 

   c) Physical principles in their functioning. 

   2+4+4

5. Differentiate between parametric and non-parametric tests for statistical significance. 

   10