

NEET SS 2024 Diploma Anaesthesiology Paper1 Question Paper with Solutions

Time Allowed :3 Hours	Maximum Marks :100	Total Questions :10
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. The test is of 3 hours duration.
2. The question paper consists of 10 questions. The maximum marks are 100.
3. Each Question is of 10 marks.

1. a) Draw a neatly labelled diagram of the brachial plexus. Enumerate the various approaches to the brachial plexus block. [3+3]

1. b) Discuss Jackson Rees Circuit with a suitable diagram. [4]

2. a) Define functional residual capacity (FRC). Enumerate the factors that affect FRC with their clinical implications.

2. b) What are the methods to optimize FRC before and under general anaesthesia?

3. a) Enumerate the causes and clinical features of hyponatremia.

3. b) Discuss the diagnosis and treatment of hyponatremia.

4. a) Define hypothermia. What are the different phases of heat loss under anaesthesia?

4. b) What are the clinical consequences of hypothermia? Enumerate methods for prevention of hypothermia in the operation theatre.

5. a) Compare and contrast between Case control and Cohort study.

5. b) What is randomization and its different types? What are the advantages of randomization?

6. a) What are the components and principle of invasive blood pressure (IBP) monitoring?

6. b) Enumerate the advantages and disadvantages of IBP monitoring.

7. a) Define Minimal Alveolar Concentration (MAC) of inhaled anaesthetic agents.

7. b) Enumerate physiological and pharmacological factors affecting MAC.

8. a) Describe the anatomy of caudal epidural space with a suitable diagram.

8. b) What is Lee's Cardiac risk index and its clinical application?

9. a) Enumerate various surgical positions (with examples) in the operation theatre.

9. b) What are the precautions and complications associated with prone positioning?

10. a) Describe the flow of cerebro-spinal fluid (CSF).

10. b) Enumerate the factors affecting the spread of local anaesthetic drugs in the CSF.
