

NEURO ANAESTHESIA**PAPER-III**Time: 3 hours
Max. Marks:100

NEUROANS/D/20/94/III

Important Instructions:

- **You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.**
- **Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.**
- **No additional supplementary answer sheet booklet will be provided.**
- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

Write short notes on:

1. Describe the principles of neuroprotection. Discuss the various strategies for neuroprotection during neurosurgical procedures. 3+7
2. Principles and protocols of enhanced recovery after surgery (ERAS) from Neuroanaesthesia perspective. 4+6
3. Enumerate protocols for preoperative assessment and perioperative management of Covid-19 positive patient scheduled for emergency neurosurgical procedure. 10
4. Principles of perioperative fluid and electrolyte therapy in neurosurgical patients. 10
5. Concept and applications of Motor Evoked Potential (MEP) monitoring. 10
6. Principles and anaesthesia considerations for endovascular approach to Acute Ischemic Stroke (AIS). 3+7
7. Principle and applications of Transcranial Doppler (TCD). 10
8. Name the nerves involved and the procedure of scalp block with the help of a neat diagram. 4+6
9. Principle and utility of monitoring the depth of anaesthesia. 10
10. Management of a patient with Guillain-Barre Syndrome in the Intensive Care Unit. 10
