

NEURO ANAESTHESIA

PAPER-II

Time: 3 hours
Max. Marks:100

NEUROANS/D/20/94/II

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. Discuss the anaesthetic management of a 40 year old patient with acromegaly scheduled for endoscopic trans-nasal trans-sphenoidal (TNTS) resection of pituitary adenoma. 10
2. What are the indications for cerebrospinal fluid shunting? Discuss the perioperative anaesthetic management of a 2-year-old child scheduled for ventriculoperitoneal shunt procedure. 2+8
3. Discuss special anaesthetic considerations in Deep Brain Stimulation (DBS) surgery. 10
4. How will you diagnose venous air embolism intraoperatively during sitting position neurosurgical procedure? Discuss its management. 5+5
5. Discuss the anaesthetic considerations in a 6-month old infant scheduled for strip craniectomy for craniosynostosis. 10
6. Describe the anaesthetic considerations for awake craniotomy. Briefly mention the commonly used drugs. 7+3
7. Pathophysiology and management of spinal shock. 6+4
8. Anaesthetic management of a 50 year old male patient with controlled hypertension scheduled for clipping of intracranial aneurysm. 10
9. Anaesthesia and sedation for neuroimaging procedures. 10
10. Intensive care management of a patient with severe traumatic brain injury in neurosurgical intensive care unit. 10
