

FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

NEUROSURGERY**PAPER – II**

NS/D/16/21/II

Time : 3 hours

Max. Marks : 100

Important instructions:

- 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. a) Classify aneurysms. 2+4+4
b) How can they present?
c) Diagnosis of aneurysms.
2. a) What is ISAT trial? 2+5+3
b) How has it affected clinical practice?
c) What are the current indications of coiling of aneurysms?
3. a) Enumerate various MRI sequence used in neurosurgical practice. 3+3+4
b) List various indications of each.
c) M.R.Tractography: Principle and its use in Neurosurgery.
4. a) Classify hydrocephalus. 2+8
b) Options for its treatment with their advantages and disadvantages.
5. What are the anomalies of second cervical vertebra? How to treat fracture odontoid? 4+6
6. a) Draw the diagram of brachial plexus. 3+4+3
b) How to differentiate various levels of injury clinically?
c) What are good prognostic factors for its recovery?
7. a) Classify carotid-cavernous fistulas. 2+3+5
b) How do they present?
c) Outline its treatment.
8. Degenerated lumbar spine: Its etiology, clinical profile, differential diagnosis and treatment options. 2+3+3+2
9. a) Classify AVM of spinal cord. 3+3+4
b) How do they clinically manifest?
c) Outline the treatment of AVM in spine.
10. How to suspect osteoporosis of spine? Write its complications and treatment. 2+(4+4)
