

NEUROSURGERY

PAPER – I

NS/J/17/21/I

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. Diffuse Axonal Injury: 3+3+2+2
 - a) Pathogenesis
 - b) Mechanism
 - c) Grades
 - d) Radiological findings
2. Enumerate Newer Antiepileptic drugs and their side effects. 10
3. Clinical features of: 3+3+4
 - a) Central cord syndrome
 - b) Brown Sequard syndrome
 - c) Cauda equina syndrome
4.
 - a) Surgical anatomy of cerebello-pontine angle cistern. 5+5
 - b) Differential diagnosis of various pathologies in this area
5. Facial nerve (VII cranial nerve) under following headings: 3+3+4
 - a) Anatomy
 - b) Course
 - c) Clinical localization
6. Anatomic pathways for: 2+2+2+2+2
 - a) Light reflex
 - b) Accommodation reflex
 - c) Corneal reflex
 - d) Doll's Eye movements
 - e) Moro's reflex

P.T.O.

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7. A 32 year old lady presents with history of amenorrhoea, galactorrhoea and bitemporal field defects. Outline management of this patient. 10
8. a) Development of neural tube. 5+5
b) Embryological basis of various neural tube defects.
9. Neurocritical care : 4+6
a) Monitoring parameters in ICU patient.
b) Causes of deterioration in neurosurgical patient in ICU.
- 10 a) Median 2+3+3+2
b) Regression analysis
c) Standard deviation
d) Sample size collection formula for thesis
