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## M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER I: BASIC SCIENCES

Wednesday, July 13, 2016

Time: 14:00 – 17:00 Hrs.\*

Max. Marks: 100

- All questions are compulsory.
- ∠ Long Essays:
- 1. Describe the anatomy of the temporal lobe in a surgeons perspective.
- 2. Measurement of cerebral blood flow.

 $(20 \text{ marks} \times 2 = 40 \text{ marks})$ 

- 3. Short Notes:
- 3A. Hyponatremia in neurosurgery
- 3B. Cerebral autoregulation
- 3C. Normal CSF flow dynamics
- 3D. Etiopathogenesis of Spinal tuberculosis
- 3E. Classification of pineal region tumours
- 3F. Investigating a patient with Acromegalic features

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$ 

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# M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2016 SUBJECT: PAPER II: CLINICAL NEUROLOGY AND NEUROSURGERY

Thursday, July 14, 2016

Time: 14:00 – 17:00 Hrs.

All questions are compulsory.

Long Essay:

1. Internuclear opthalmoplegia.

(20 marks)

2. Cerebral localization – diagnosis of various cerebral frontal lobe dysfunctions.

(20 marks)

- 3. Write briefly on:
- 3A. Neurocysticercosis
- 3B. Normal pressure hydrocephalus
- 3C. Idiopathic intracranial hypertension
- 3D. Spontaneous intracerebral hematoma
- 3E. Prolactinomas
- 3F. Superior orbital fissure syndrome

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$ 

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## M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER III: CLINICAL NEUROSURGERY

Friday, July 15, 2016

Time: 14:00 – 17:00 Hrs.	Max. Marks: 100			

Long Essays: Ø

1. Safe entry zones to the brain stem.

(20 marks)

2. Approaches to the pineal region.

(20 marks)

- 3. Write briefly on:
- 3A. Approaches to the orbit
- 3B. Low grade gliomas controversies in surgical management
- 3C. Brain stem gliomas
- 3D. Risk stratification in medulloblastoma
- 3E. Incidental Colloid cysts of the third ventricle management controversy
- 3F. Type II odontoid fracture

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$ 

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### M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER IV: RECENT ADVANCES, NEURORADIOLOGY

Saturday, July 16, 2016

1 ime: $14:00 - 1/:00$ Hrs.	

- All questions are compulsory.
- ∠ Long Essays:
- 1. Current concepts in surgery for bony craniovertebral junction anomalies.

(20 marks)

Max. Marks: 100

2. Surgery for movement disorders.

(20 marks)

- 3. Write briefly on:
- 3A. Carotid endartrectomy vs stenting debate
- 3B. Incidental intracranial aneurysms
- 3C. Imaging in acute stroke
- 3D. Stem cells in neurosurgery
- 3E. Gazi Yasergil
- 3F. Motion preserving spine stabilization surgery

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$