Reg. No.					

# M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER I: NEUROBASIC SCIENCES

Wednesday, July 03, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- All questions carry TEN marks each.
- 1. Papez circuit
- 2. Meckels cave
- 3. Brocas area
- 4. Suprasellar cisterns
- 5. Innervation of urinary bladder
- 6. Pathology of astrocytoma
- 7. Cerebral blood flow
- 8. Reflex arc
- 9. Superior orbital fissure
- 10. Mannitol

Reg. No.					

# M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2013 SUBJECT: PAPER II: CLINICAL NEUROLOGY AND NEUROSURGERY

Friday, July 05, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- All questions carry equal marks.
- 1. Electrocorticography
- 2. ICP monitoring
- 3. Clinical features of craniovertebral junction anomalies
- 4. Management of post traumatic CSF rhinorrhoea
- 5. Metabolic and systemic response to severe head injury
- 6. Newer anticonvulsants
- 7. Surgery for ischemic stroke
- 8. Surgically remediable dementias
- 9. Central cord syndrome
- 10. Multiple intracranial cysticercosis

Reg. No.
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### M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER III: CLINICAL NEUROSURGERY INCLUDING OPERATIVE NEUROSURGERY Monday, July 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- All questions are compulsory.
- All questions carry equal marks.
- Write briefly on:
- 1. Safe entry zones to the brain stem
- 2. Approaches to the pineal region
- 3. Shunt systems recent advances
- 4. Approaches to the orbit
- 5. Low grade gliomas controversies in surgical management
- 6. Single level cervical disc prolapse surgical options and controversies
- 7. Brain stem gliomas
- 8. Risk stratification in medulloblastoma
- 9. Incidental Colloid cysts of the third ventricle management controversy
- 10. Type II odontoid fracture

Reg. No.				
8				

## M.Ch. (NEURO SURGERY) DEGREE EXAMINATION – JULY 2013

# SUBJECT: PAPER IV: RECENT ADVANCES IN NEUROSCIENCES, NEURORADIOLOGY AND HISTORY OF NEUROSURGERY

Wednesday, July 10, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Write briefly on:
- 1. MR spectroscopy
- 2. Compare: Gammaknife vs X knife vs cyberknife
- 3. EC- IC bypass current concepts
- 4. Brain death
- 5. Noble prize winners in neurosurgery
- 6. Onyx in interventional neuroradiology
- 7. Vertebroplasty
- 8. Radiosurgery for acoustic neuromas
- 9. Motion preserving spine surgery
- 10. Spinal endoscopy