

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**MCh (NEUROSURGERY) DEGREE EXAMINATION – DECEMBER 2001**  
**PAPER – I**

Monday, December 03, 2001

Max. Marks: 100

Time: 3 Hrs.

☞ Answer all the questions.

☞ Illustrate your answers with diagrams wherever appropriate.

1. Describe the spinal cord blood flow, and pathology of Spinal Arterio Venous Malformations.  
(40 marks)

2. Write short notes on:

2A. Phakomatoses

2B. GABA

2C. Micro anatomy of internal Acoustic meatus

(30 marks)

3. Write short notes on:

3A. Hyponatremia

3B. Diffuse Axonal Injury

3C. Prolactin

(30 marks)



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**MCh (NEUROSURGERY) DEGREE EXAMINATION – DECEMBER 2001**  
**PAPER – II**

Tuesday, December 04, 2001

Max. Marks: 100

Time: 3 Hrs.

**Answer all the questions.**

**Illustrate your answers with diagrams wherever appropriate.**

1. Discuss the principles of surgical treatment of lesions in eloquent areas.

(40 marks)

2. Write short notes on:

2A. Present day scope of ST-MC Anastomosis

2B. Arnold Chiari Malformation

2C. Fetal Cerebral Circulation

(30 marks)

3. Write short notes on:

3A. Spinal Instability

3B. Post Traumatic Epilepsy

3C. Carotid Stenosis

(30 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

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## MCh (NEUROSURGERY) DEGREE EXAMINATION – DECEMBER 2001 PAPER – III

Wednesday, December 05, 2001

Time: 3 Hrs.

Max. Marks: 100

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- ☞ Answer all the questions.  
☞ Illustrate your answers with diagrams wherever appropriate.
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1. Discuss the Surgical Management of Intractable Epilepsy.

(40 marks)

2. Write short notes on:

2A. Third Ventriculostomy

2B. DREZ

2C. Craniosynostosis

(30 marks)

3. Write short notes on:

3A. Gene Therapy

3B. Chronic Stimulation

3C. Victor Horsley

(30 marks)



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