

SUPER SPECIALTY PROGRAMME M. Ch. (NEUROSURGERY)

EXAMINATION, MARCH-2025

PAPER FOUR

RECENT ADVANCES IN NEUROSCIENCES INCLUDING CLINICAL TRIALS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever necessary.

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|---------------|--|-------------|
| Q. 1. | Discuss Vagal nerve stimulation. | (10) |
| Q. 2. | Describe Indications for DBS. | (10) |
| Q. 3. | Describe Use of Robotic arm in Neurosurgery. | (10) |
| Q. 4. | Describe Lasers in Neurosurgery. | (10) |
| Q. 5. | Write short note on D-wave monitoring. | (10) |
| Q. 6. | Describe Spinal cord stimulation. | (10) |
| Q. 7. | Write short note on BRAT trial. | (10) |
| Q. 8. | Write short note on Proton beam therapy. | (10) |
| Q. 9. | Describe Endoscopic Neurosurgery. | (10) |
| Q. 10. | Describe Intraoperative Imaging. | (10) |

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