

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MCH 0222]**

**FEBRUARY 2022**

**Sub.Code :1561**

**M.Ch. – NEURO SURGERY**

**SIX YEARS COURSE**

**PART – II**

**Paper I – NEUROANATOMY AND NEUROPHYSIOLOGY**

*Q.P. Code: 181561*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Elaborate on Dural Venous Sinus and Microanatomy of Cavernous sinus and applied anatomy of both.
2. Describe in detail about physiological circuits in BASAL GANGLIA and how it controls the muscular tone and motor activity.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Classifications of Nerve fibre and add a note on Erlanger – Gasser classification.
2. Sensory Receptors.
3. Broadmann's Area.
4. Organ of Corti.
5. Physiology of sleep.
6. Blood supply of Cerebellum.
7. Ascending and Descending tracts of spinal cord.
8. Relative Afferent Pupillary Defect: (RAPD).
9. Structures passing through internal capsule.
10. Limbic Circuits.

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