Write short notes on:

1. ICA aneurysm under following heads: 4+3+3
   a) Classification.
   b) Presentations.
   c) Surgical approach to each location.

2. Various trials associated with aneurysm and its impact in management of aneurysm. 10

3. a) Various types of aneurysm clips. 4+3+3
   b) Methods of clip applications to occlude aneurysm’s neck.
   c) Complications of clips hardware.

4. A 10 years old child presents with seizure and right hemiparesis. 5+5
   NCCT head is suggestive of hypodensity in left frontal lobe.
   a) What are the clinical possibilities?
   b) How would you investigate?

5. A 60 years old male presented with acute onset left upper limb monoparesis. He had increased reflexes in bilateral all limbs: 5+5
   a) What are the clinical possibilities?
   b) How would you investigate?

6. Factors affecting embryogenesis of neural tube defects, preventive methods and screening tools for picking up neural tube defects. 4+3+3

7. Horner’s Syndrome: Clinical findings, site of lesions and approach to its diagnosis. 4+4+2

8. Sciatic nerve injury: Sites of injuries, clinical profile at various level and treatment options. 3+3+4

9. How would you approach a case of vertebral body hemangioma at D6 level in male and female? 10

10. Various forms of AVM that affects spinal cord, their clinical presentations and management strategies. 4+4+2

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