

High Yield Hints – Nervous System

1. Encephalon	Brain
2. Meningitis	Inflammation of meninges – viral infection or increased production of cerebrospinal fluid
3. Pia matter	Vascularised and nutritive
4. Reticular connective tissue	Cells of arachnoid membrane
5. Dura matter	Made up of fibrous connective tissue
6. Fifth ventricle or pseudocoel	Cavity of corpus callosum
7. Cerebral cortex	Centre of highest sensation
8. Foramen of Monro	Connects lateral ventricle with third ventricle
9. Paracoele	Lateral ventricle
10. Diocoel	Third ventricle
11. Aqueduct of Sylvius	Inter-connection between third and fourth ventricle
12. Little brain	Cerebellum
13. Arbor vitae	Branching of white matter into grey matter in cerebellum
14. Brain stem	Diencephalon + mid brain + pons + medulla
15. Neurocoel	Central canal of spinal cord
16. Cranial nerves	12 pairs in amniotes, 10 pairs in anamniotes
17. Cranial nerves of man	Olfactory, optic, oculomotor, trochlear, trigeminal, abducens, facial, auditory, glossopharyngeal, vagus, spinal accessory, hypoglossal
18. Cranial nerves	3 pairs sensory, 5 pairs motor, 4 pairs mixed
19. Cranial nerves	Spinal accessory and hypoglossal absent in frog - present in man
20. Pavlov	Discovered reflex action
21. Sympathetic nervous system	Also called thoracolumbar outflow
22. Acetylcholine	Secreted by preganglionic nerves
23. Sympathin	Secreted by postganglionic nerve
24. Para-sympathetic	Also called craniosacral outflow
25. Threshold or firing level	Minimum strength to initiate action potential
26. Refractory period	Time for restoration of nerve fibre - 0.001 second
27. Saltatory propagation	Node to node jumping of impulses in myelinated nerves
28. Blood Brain Barrier	Barrier between cerebral blood and cerebrospinal fluid
29. Cybernetics	Deals with neural and chemical integration of body
30. Pallium	Roof of paracoele
31. Cauda equina	Also called filum terminale - terminal part of spinal cord
32. Somaesthetic area	Also called post-central area - center for pain touch temp.
33. Eighth cranial nerve	Goes to ear
34. Fifth cranial nerve	Goes to jaw muscle
35. Broca's area	Speech control center - present in frontal lobe
36. Cerebellum	Only part of brain without ventricle
37. Brachial plexus	Last four cervical and first thoracic spinal nerves
38. Auerbach plexus	Network of nerves formed from vagus nerve & distributed on organs
39. Absolute refractory period	Period between two nerve impulses
40. Genu & splenium	Anterior and posterior ends of corpus callosum
41. Parkinson's disease	Lack of neurotransmitter dopamine
42. Pineal stalk	Outgrowth from the roof of third ventricle
43. Resting potential	70 mV
44. Trigeminal	Mandibular - largest cranial nerve
45. EEG	Electroencephalogram - used to measure brain waves
46. Vermis	Large median lobe cerebellum in mammals
47. IQ	Ratio of mental age to chronological age multiplied by 100
48. Choroid plexus	Secrete cerebrospinal fluid
49. Synaptic fatigue	Due to more adrenaline
50. Spinal nerves of man	31 pairs - frog has 10 pairs

