



## OMSB NEUROSURGERY EXAM

**Nature and content of test :**

Passing Score	Sub-Category Relative Percentage	Category Description	
	<b>17%</b>	1. Fluids, Electrolytes and Acid-Base Balance	A. Principles of Surgery
		2. Nutrition	
		3. Shock	
		4. Surgical Bleeding and Blood Replacement	
		5. Surgical Infections and Antibiotics	
		6. Perioperative Management and Surgical Critical Care	
		7. Wounds and Wound Healing	
		8. Surgical Technique and Instrumentation	
	<b>14%</b>	1. Gross Neuro-Anatomy	B. Basic Clinical Neuroscience
		2. Neuronal structure, Organization and Transmission	
		3. Neurovascular System	
		4. Sensory Systems	
		5. Consciousness and Higher Mental Functions	
		6. Cerebrospinal Fluid	
	<b>69%</b>	1. Raised ICP, Cerebral Edema and Brain Herniation	C. Clinical Neurosurgery
		2. Hydrocephalus	
		3. Head Trauma	
		4. Cerebrovascular Disease	
		5. Intracranial Tumors	
		6. Neurosurgical Infections	
		7. Cranial Synostosis	
		8. Spinal Dysraphism	
		9. Degenerative Spinal Disease	
		10. Spinal Tumors	

<b>60%</b>		11. Spinal Trauma	
		12. Entrapment Neuropathis and Peripheral Nerve Injuries	
		13. Stereotactic Surgery and Radiosurgery	
		14. Trigeminal Neuralgia	
		15. Pain Management	
		16. Principles of Chemotherapy of Brain Tumors	
		17. Principles of Radiotherapy of Brain Tumors	
		18. Neurosurgical Techniques	
		<b>100%</b>	<b>Total</b>

### **Test references:**

1. Principles of Neurosurgery. By Rengachary S. S. & Ellenbogen R.G. 2nd Edition, Elsevier Mosby.
2. Handbook of Neurosurgery. By Mark S. Greenberg, 6th Edition, 2005, Thieme.
3. Pediatric Neurosurgery. By Frim, D. M. & Gupta N. (Eds.) Landes Bioscience.
4. Essential Neurosurgery By: Kaye, A. H. Blackwell Publishing. ..