

[Time: 3 Hours]**[Max. Marks: 100]****SPINE SURGERY - PAPER – II****QP Code: 4228**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions**10 X 10 = 100 Marks**

1. Write briefly on Novel Osteobiologics and biomaterial in spine surgeries
2. Write briefly on spine surgery – MAST (Minimal Access Spine Techniques)
3. Write briefly on indications, contraindications, techniques, complications and avoidance of minimally invasive posterior surgical approach for lumbar spine
4. Classify congenital spinal deformity. Management and principles of congenital scoliosis
5. What oncological staging system is used to classify primary / malignant tumor of the bone? What is WBB surgical staging system for spine tumours? In which tumors khyphoplasty / Vertebroplasty are indicated?
6. Describe the anatomy of CV junction. Explain the types, evaluation and management of Atlanto Axial dislocation
7. Write briefly on spinal cord injury without radiographic abnormality
8. Describe sagittal imbalance and its importance in failed back syndrome
9. Indications, techniques, complications and avoiding of revision surgery following previous Laminectomy
10. Classify spondylolisthesis. Explain delta fixation procedure

* * * * *