

The West Bengal University of Health Sciences
M.S. (Orthopaedics) March-April, 2020 Examination

Paper: IV

Full Marks: 100

Time: 3 hours

Attempt all questions

1. What is open- chain and close chain exercises of knee? Discuss rehabilitation protocol after PCL reconstruction. 5+5
2. a) Describe clinical features of Transient Migratory Osteoporosis (TMO) of Hip. 3+4+3
b) Difference of Osteoporosis of Hip and TMO hip.
c) Management of TMO hip.
3. Describe steps of Transforaminal lumbar interbody fusion (TLIF). What are differences between TLIF and PLIF? 7+3
4. Discuss the principle and role of Extracorporeal Radiotherapy and Cryotherapy in malignant diaphyseal tumor. 5+5
5. Discuss Bone graft substitutes and Bone Morphogenic Proteins. 10
6. Compare between uni compartmental knee Replacement and High Tibial Osteotomy. 10
7. Discuss T.F.C.C. Injury. 10
8. What are bisphosphonates? Describe the role of bisphosphonates in various orthopedic disorders. 10
9. Name biomaterials used in orthopedics. Describe in brief their features. 10
10. Recent concepts in the management of spinal metastasis . 10