

19PHD009

BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER (ORTHOPAEDICS)

QP CODE - 6025

Duration : 1 ½ Hrs

Max Marks : 50

I Answer the following

5 x 2 = 10 Marks

1. Define osteoarthritis.
2. BMPs.
3. Layers of cartilage.
4. Name the immunological markers of osteoarthritis.
5. Radiological differences between osteoarthritis and rheumatoid arthritis.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Patho-physiology of osteoarthritis.
7. Explain transient cartilage differentiation.
8. Non-surgical treatment options in osteoarthritis and their limitation.
9. VEGF signaling and pain in osteoarthritis.
10. Briefly explain various osteotomies around knee.

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Autologous chondrocyte implantation in knee joint.
12. Discuss clinical features and management of developmental dysplasia of hip joint.
13. Discuss etio-pathology , clinical features and management of neuropathic joint.