Write short notes on:

1. Recent advances in reduction of recurrence in giant cell tumor with emphasis on medical treatment. 

2. a) Define tribology.  
   b) Recent advances in biomaterials in joint replacements to increase their longevity. 

3. a) Biological agents used in treatment of rheumatoid arthritis.  
    b) Positron emission tomography in orthopaedics. 

4. a) Expandable megaprosthesis.  
    b) Extracorporeal radiotherapy for bone sarcoma. 

5. a) Differences between SACH foot and Jaipur foot.  
    b) Bionic hand. 

6. a) Recent advances in the management of infected persistent wounds.  
    b) Medical treatment of osteoporosis. 

7. a) Bone graft substitutes.  
    b) Brachytherapy. 

8. a) Role of embolization in orthopaedics.  
    b) Recent advances in management of prolapsed intervertebral disc. 

    b) Role of ultrasonography in developmental dysplasia of the hip. 

10. a) Meniscal repair.  
    b) Minimal access surgical management of acetabular fractures.