Write short notes on:

**PART A**

1. Recent advances in arthroscopic ACL reconstruction with reference to creation of femoral tunnel and femoral fixation methods.  
   5+5

2. a) Recent advances in detection of Mycobacterium tuberculosis.  
   b) Enumerate various newer methods with their sensitivity and specificity.  
   c) GeneXpert/CB-NATT and its specific advantages.  
   3+2+5

3. a) What is the role of PCL in knee arthroplasty?  
   b) Benefits of PCL retention Vs substitution.  
   4+(3+3)

4. a) Orthopaedic manifestations of AIDS.  
   b) Guidelines to prevent spread of HIV infection during operative intervention  
   5+5

5. a) Safety measures in Scoliotic Surgery.  
   b) Role of meniscal repair in the knee joint.  
   5+5

P.T.O.