

**2013/14 Batch**  
**Tutorial on skeletal diseases**  
**Prof. R. Waduge**  
**21.05.2018      2.30 pm – 3.30 pm**

Students are expected to bring written answers to the following questions.

1. Describe the causes and the mechanism of development of generalized osteoporosis and the complications
2. Discuss the pathogenesis of skeletal changes in renal osteodystrophy.
3. Describe the complications that occur following chronic osteomyelitis.
4. A 17 years old boy presents with a painful swelling at the upper region of tibia. X ray showed a large destructive lytic and a blastic mass with indistinct infiltrative margin at the metaphyseal region.
  - a. What is the probable diagnosis?
  - b. What is the pathognomonic microscopic feature in this lesion?
  - c. Describe the macroscopic features of this lesion.
  - d. What genetic abnormalities can be seen in this condition?