Write short notes on:

1. a) Radiological features of osteopenia on a plain radiography.
   b) Various imaging modalities used in the assessment of bone mineral density.  
   3+7

2. Various radiological findings in multiple myeloma and its differential diagnosis.  
   6+4

3. Radiological findings in primary hyperparathyroidism.  
   10

4. a) Radiological anatomy of sella turcica.
   b) Imaging evaluation of a suspected pituitary tumor.  
   3+7

5. Imaging findings of pleomorphic adenoma.  
   10

6. a) Enumerate the various neurocutaneous syndromes.
   b) Various imaging findings in a case of neurofibromatosis II.  
   3+7

7. a) Draw a diagram of cross sectional anatomy of inner ear.
   b) Imaging workup in a child presenting with congenital sensorineural hearing loss.  
   3+7

8. a) Enumerate various spinal dysraphism.
   b) Pathology and imaging findings in diastematomyelia.  
   2+8

   10

10. a) Enumerate the various mucopolysaccharidosis.
    b) Radiographic findings in Morquio syndrome.  
    2+8

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POSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.