

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**M.D. Degree Examination – 14-Jul-2020**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**RADIO DIAGNOSIS**  
**PAPER – I (RS-2/RS-3)**  
**Q.P. CODE: 7461**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**Answer All The Questions**

**10 x 10 = 100 Marks**

1. Sonoelastography in liver diseases.
2. Describe about CT coronary angiography and Calcium scoring.
3. Describe different magnets and coils in MRI.
4. Describe physics of 3D and 4D ultrasound and its usefulness in clinical imaging.
5. Write short notes on:
  - a. Gout
  - b. Time gain compensation in ultrasound
  - c. Acroosteolysis
  - d. MCUG
6. Describe the principles, construction and functionalities of individual components of image intensifier.
7. Discuss imaging anatomy of the orbit.
8. Discuss the radiation protection and isotope department.
9. What is Looser's zone? Describe the radiological appearances of the condition in which it is seen.
10. Describe:
  - A. Cone view of Sella turcica
  - B. Frog's view of both Hips

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