

**QP CODE: 203018**

**Reg. No.....**

**Second Year B.Sc MRT Degree Supplementary Examinations  
October 2021  
Radio Diagnosis I**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*

**Essays:**

**(3x10=30)**

1. Name para nasal sinus, and briefly describe radio graphic view for each para nasal sinus.
2. Explain radio-graphic contrast; name the factors which decided the radio-graphic contrast. Briefly describe the role of each factor.
3. Describe briefly the anatomy of hip joint and the radiographic views for hip joint

**Short notes:**

**(8x5=40)**

4. Bucky factor
5. What are the layers of intensifying screen. Give a description of each layer.
6. Radiographic view for patella
7. Biological effects of radiation
8. ALARA Principle
9. Pelvimetry
10. Automatic film processing
11. Radiographic view for lumbar spine.

**Answer briefly:**

**(10x3=30)**

12. Grid cut off
13. Latent image
14. Penumbra
15. Input phosphor
16. Half Value Layer (HVL)
17. Inverse Square Law
18. Single coated film
19. Plain X-ray abdomen erect, Indication and technique
20. X-ray view for Juglar foramen
21. Radiography of Sterno clavicular joint.

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