# Rajiv Gandhi University of Health Sciences, Karnataka

**Second Year B.Sc. Medical Imaging Technology Degree Examination – 31-Oct-2026**

**Time: Three Hours** **Max. Marks: 100 Marks**

## Imaging Physics and Dark Room Techniques (RS-4)

# Q.P. CODE: 3291

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

**LONG ESSAYS (Second Question Choice)** **2 x 10 = 20 Marks**

1. Explain about Radiographic films
2. Briefly describe about Automatic Processor
   **OR**
   Briefly explain about film faults

**SHORT ESSAYS (Question No 5 & 10 choice)** **10 x 5 = 50 Marks**

3. Cassette
4. Wet bench and dry bench
5. Characteristic curve
   **OR**
   Silver recovery method
6. Resolution
7. Developer
8. Macro Radiography
9. Intensifying screen
10. Lateral image formation
    **OR**
    Explain about image characteristic
11. Explain about exposure factor
12. Digital Radiography.

**SHORT ANSWER** **10 x 3 = 30 Marks**

13. Magnification
14. Luminescence
15. Phosphors
16. Sharpness and unsharpness
17. Density
18. COSHH Regulation
19. Hangers
20. PH scale
21. Replenishment Rate
22. Advantages of CR

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