

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. Medical Imaging Technology Degree Examination – 04-Jun-2024

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. Describe in detail about Radiographic cassette.
2. Briefly explain about digital Radiography.
OR
Briefly explain about Developer solution. Replenishment of developer solution.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Radiographic films.
4. Automatic Processor.
5. Fixer.
OR
Latent image formation.
6. Film faults.
7. Intensifying Screen.
8. Dark room construction in Minor Hospital.
9. Factors affecting on image quality.
10. Computed Radiography.
OR
Characteristic curve.
11. Magnification.
12. Exposure of actors.

SHORT ANSWER

10 x 3 = 30 Marks

13. Silver halides.
14. Functions of film base.
15. Define Anti halation layer.
16. Rare earth screens.
17. Intensification factor.
18. Advantages of metallic replacement.
19. Wet bench.
20. Phosphorus.
21. Unsharpness.
22. Types of endurances.

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