

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Imaging Technology Degree Examination – 21-Nov-2024

Time: 3 Hours

Max. Marks: 40 Marks

Physics of Radiology – (RS-3)

Q.P. Code: 1354

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1353 and 1354 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Write a note on Grids and its function. Add a brief note about its types and Grid ratio.
2. Discuss about radiation protection for patients and operators. Write a note about personal monitors used in radiation safety.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Routine projections of lower limb
4. Computerized radiography
5. Mammography technique
6. Describe film processing.

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Neat diagram of double emulsion X ray film
8. Frog leg projection
9. Stochastic effect
10. Stains – types, causes and prevention
11. Fogging – causes and prevention
12. Club foot – radiographic technique
