

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Imaging Technology Degree Examination – SEP-2017

Time: 3 Hours

Max. Marks: 40 Marks

Radiation Physics and Medical Physics

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. Enumerate factors affecting radiographic quality. How will you improve radiographic quality?
2. Write a note on Latent image formation and Film processing.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Air gap technique
4. Double emulsion X ray film
5. Care and maintenance of X ray equipment
6. Radiation effects

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Skyline view
8. Earthing
9. Orthopantomography
10. Thermoluminescent Dosimeters
11. Non stochastic effect
12. Cones and cylinders
