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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Imaging Technology Degree Examination – Aug 2013

Time: Three Hours**Max. Marks: 60 Marks****RADIOGRAPHIC PHOTOGRAPHY AND IMAGE PROCESSING
(RS - 2)****Q.P. CODE: 1355**

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

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. What is intensifying screen? Describe with neat diagram cross section of intensifying screen and their usefulness.
2. What is automatic processor? Describe its principles, features, water supply, thermostat, maintenance, advantages and limitations.
3. Define density, sharpness and resolution. What are the various factors affecting resolution?

SHORT ESSAYS (Answer any Five)**5 x 5 = 25 Marks**

4. Replenisher.
5. Pass box and Lead Box.
6. *Constituents of Developer*
7. *Characteristic Curve*
8. Magnification Radiography.
9. *Types of Cassette*
10. Various fogging of films their cause and prevention.

SHORT ANSWERS (Answer any Five)**5 x 3 = 15 Marks**

11. *Ph Value*
12. *Define Contrast*
13. *Drier*
14. *Functions of Fixer*
15. X-Ray Viewing equipment.
16. Single emulsion film.
17. *Types of Hangers*
