

Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – SEP-2017

Time: Three Hours

Max. Marks: 60 Marks

DIAGNOSTIC IMAGING TECHNIQUE (RS – II)

Q.P. CODE: 2911

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. Describe basic principle of MRI.
2. What is transducer? Write neat diagram of transducer and functions of its constituents.
3. What is tomography? Discuss the technology of spiral CT.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

4. Principles of tracer technique
5. Generations of CT
6. MR angiography
7. Ultra sound artefacts
8. Radio pharmaceutical
9. Radio immune assay
10. Pressure injector

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

11. Renogram
12. CT number
13. K – space
14. Precession
15. CT contrast agents
16. Acoustic coupling agent
17. Resistive index
