

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Imaging Technology Examination – 22-Nov-2024

Time: Three Hours

Max. Marks: 60 Marks

DIAGNOSTIC IMAGING TECHNIQUE (RS3)
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. Briefly explain about pulse sequences.
2. Write different types of transducers used in ultrasound. Draw and label a diagram of the transducer.
3. Write essay on principles of Flow techniques, MRA in MRI scan.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

4. Acoustic coupling media.
5. Principles of tracer technique.
6. Gradient coil.
7. Doppler.
8. Artifacts in CT Scan.
9. Characteristics of Ultrasound.
10. SPECT.

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

11. K – Space.
12. Spiral CT.
13. Radioactivity.
14. B – Mode.
15. DICOM.
16. Window width and level.
17. Photon Density contrast.
