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Rajiv Gandhi University of Health Sciences, Karnataka
III year B.Sc. Imaging Technology Examination – Sep 2012

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. Discuss in detail positron emission tomography (PET scan) and its uses
2. Interventional C T guided procedures
3. 2D, and 3D images

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

4. Magnetic resonance angiography
5. Piezoelectric effect
6. Difference between B – mode and M – mode
7. Radiation dose
8. Gamma camera
9. Body coils
10. Pixel and voxel

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

11. Isotopes
12. MRI image artifacts
13. Contraindications for C T examination
14. Acoustic coupling media
15. C T contrast medias
16. Radio immuno assay
17. 2D, 3D ultrasound
