

PARAMEDICAL BOARD, BANGALORE
Annual Examination, January – 2013
II Year Diploma in Medical X- Ray Technology/ III Year Certificate course
in Medical X- Ray Technology
RADIOGRAPHY INCLUDING NEWER IMAGING TECHNOLOGY, (N.S) R-II
QP CODE – 3123

Time: 3 hrs Max.

Marks: 90

I. LONG ESSAY - ANSWER ANY TWO

2 x 10 = 20

- 1) Mention the principles of a C.T scan machine. Explain different sequences involved in Obtaining the images on the monitor screen.
- 2) What are the types of Doppler's? Explain the uses of each type.
- 3) Discuss the role of radiopharmaceuticals in nuclear imaging.

II. WRITE SHORT NOTES ON ANY TEN

10 x 5 = 50

- 4) Characteristic X-ray.
- 5) Electron binding energy.
- 6) Silverless radiology.
- 7) Inherent filtration.
- 8) Line focus principle.
- 9) Planning of dark room.
- 10) Half wave rectifier.
- 11) Xero Radiography.
- 12) Film Badge.
- 13) Rotating anode tube.
- 14) Urograffin.
- 15) MR angiogram.

III. WRITE SHORT ANSWERS

10 x 2 = 20

- 16) Cellulose.
- 17) Latent image.
- 18) Cathode.
- 19) Tube Rating.
- 20) Isotones.
- 21) Technetium.
- 22) Gelatin.
- 23) Blooming.
- 24) Expand SPECT.
- 25) Solarisation.
