

[LH 0815]

AUGUST 2015

Sub Code: 1824

B.Sc. RADIOLOGY IMAGING TECHNOLOGY

THIRD YEAR

Paper IV – QUALITY CONTROL IN RADIOLOGY

Q.P. Code: 801824

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Describe the quality control procedures of cath lab X-ray equipment.
2. Explain the processes of quality assurance procedures of diagnostic film processing.
3. Write in detail about quality control in image quality.

II. Write Notes on:

(8 x 5 = 40)

1. Quality control of mobile fluoroscopic equipment.
2. Film storage quality control
3. Temporal accuracy of timer.
4. Determination of focal spot size.
5. Quality control record maintenance.
6. Quality assurance procedures of film processors.
7. Acceptance testing of procedures of general radiographic equipments.
8. Role of radiation safety officer in quality control program.

III. Short Answers on:

(10 x 3 = 30)

1. Tube voltage measuring device.
2. X-ray beam quality check.
3. Define quality assurance.
4. CT dose index check.
5. Film hangers.
6. Artifacts evaluation
7. Timer linearity test.
8. Densitometer.
9. Safe light integrity check.
10. Patient exposure test.
