Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – Aug / Sep 2011

Time: Three Hours Max. Marks: 60 Marks

RADIOGRAPHIC TECHNIQUE I & II
Q.P. CODE: 2912 & 2913

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessa

Use separate answer books for section A and section B

Q. P. Code - 2912 Section 'A ' - Radiographic Techniques – I (Marks – 30)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Mark

1. Describe Radiography of Chest
2. Discuss in detail Radiography of Lumbosacral spine

SHORT ESSAYS (Answer any Two) 2 x 5 = 10 Mark

3. X-ray of Scaphoid
4. Towne's view
5. Skyline view of patella

SHORT ANSWERS(Answer any Five) 5 x 2 = 10 Mark

6. Magnification Radiography
7. Miniature Radiography
8. High K V technique
9. Portable Radiography
10. Radiation protection
11. Fluoroscopy

Q. P. Code - 2913 Section 'B ' - Radiographic Techniques – II (Marks – 30)

Use separate answer book

LONG ESSAYS (Answer any One) 1 x 10 = 10 Mark

1. Discuss the Radiographic Technique of Barium Enema
2. Discuss the Technique of Barium Meal Follow Through

SHORT ESSAYS (Answer any Two) 2 x 5 = 10 Mark

3. Enteroclysis
4. Nephrostomogram
5. Hyterosalphingography

SHORT ANSWERS(Answer any Five) 5 x 2 = 10 Mark

6. Chiba needle
7. Barium swallow
8. Darcryocystography
9. Contrast media Reactions
10. Methyl Cellulose
11. Non-ionic contrast media

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III year B. Sc Imaging Technology Examination – Feb/March 2011

Time: Three Hours Max. Marks: 60 Marks

RADIOGRAPHIC TECHNIQUE I & II
Q.P. CODE: 2912 & 2913

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessa

Use separate answer books for section A and section B

Q. P. Code - 2912 Section 'A ' - Radiographic Techniques – I (Marks – 30)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Mark

1. Describe in detail radiography of thorax
2. Discuss in detail arteriography

SHORT ESSAYS (Answer any Two) 2 x 5 = 10 Mark

3. Axial view of patella
4. Basal view of skull
5. Various views of pelvis

SHORT ANSWERS(Answer any Five) 5 x 2 = 10 Mark

6. Apical view of chest
7. Bronchography
8. Preparation for KUB x – ray
9. Various view of shoulder joint
10. Radiation protection
11. Intra occlusal film

Q. P. Code - 2913 Section 'B ' - Radiographic Techniques – II (Marks – 30)

Use separate answer book

LONG ESSAYS (Answer any One) 1 x 10 = 10 Mark

1. Discuss in detail technique of lumbar myelogram
2. Discuss in detail percutaenous nephrography

SHORT ESSAYS (Answer any Two) 2 x 5 = 10 Mark

3. Use of digital subtraction
4. Orbital venography
5. Aortigraphy

SHORT ANSWERS(Answer any Five) 5 x 2 = 10 Mark

6. Sonogram
7. High K V technique
8. Tomography
9. Fistulo graphy
10. Marcro radiography
11. Mammography

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III year B. Sc Imaging Technology Examination – Feb/March 2011

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 the various Generations of Computed Tomography
2. Discuss the physical principles of MRI
3. Discuss the sequences used in MRI of Stroke

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

4. MRI artifacts
5. Power Doppler
6. Sonography of Small Parts
7. Single Photon Emission Computed Tomography
8. Window width and window level
9. Pitch
10. Gradient coils

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

11. Volume rendering tools
12. Ultrasound Contrast media
13. Atomic Energy Regulatory Board
14. Bowel Preparation for Abdominal ultrasound
15. Resistive index
16. Pressure Injector
17. CT guided biopsies

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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 M R I in detail
2. Describe gamma camera
3. Describe in detail about multi detector C T

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

4. Portable ultra sound
5. M R spectrograph
6. Subtraction angiography
7. Radiation hazards
8. C T contrast media and its uses
9. Precautions while handling radionuclide
10. Ultrasound probes

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

11. Radioactivity
12. Contrast
13. Motion artifacts
14. Radio immuno assay
15. Pixel and voxel
16. 2D, 3D ultrasound
17. Mechanical transducers

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