Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – SEPTEMBER 2015

Time: 3 Hours | Max. Marks: 30 Marks

Radiographic Technique - I

Q.P. Code : 2912

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 2912 and 2913 are to be answered within total duration of 3 hours)

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

1. Describe the routine and supplementary views of Hand.
2. Describe the routine and supplementary views of cervical spine.

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

3. Routine projections of Pelvic girdle
4. Routine radiographs of chest.
5. Routine radiographs of abdomen

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

6. Decubitus view
7. Sacroiliac joint radiographs
8. Radiographs for supracondylar fracture
9. 10 days rule
10. Chest radiographs in paediatric patients
11. Towne's view

Rajiv Gandhi University of Health Sciences, Karnataka

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III year B.Sc. Imaging Technology Examination – SEPTEMBER 2015

Time: 3 Hours | Max. Marks: 30 Marks

Radiographic Technique - II

Q.P. Code : 2913

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 2912 and 2913 are to be answered within total duration of 3 hours)

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

1. Discuss in detail the technique of small bowel enema.
2. Describe the technique of mammography and the various mammography views.

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

3. Patient preparation for radiological procedures
4. Endoscopic retrograde choledochopancreatography
5. Operation theatre radiography

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

6. Ten day rule
7. Thermography
8. High KV technique
9. Renal arteriography
10. Cystogram
11. Hypotonic duodenography

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Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – SEPTEMBER 2015

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 physical principles of computed tomography.
2. Describe in detail the MRI instrumentation and image production.
3. Describe the physical principles of Ultrasonography and USG artifacts.

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

4. MRI Angiography
5. Image Display
6. Transducer
7. MRI Contrast agents
8. CT artifacts
9. Gamma Camera
10. Surface Coils (MRI)

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

11. Radiofrequency transmitter (MRI)
12. Resistive Index
13. Screening for MRI test
14. Signal to noise ratio
15. Piezo-electric effect
16. Rectilinear scanner
17. Acoustic coupling media

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Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – APRIL 2015

Time: 3 Hours | Max. Marks: 30 Marks

Radiographic Technique - I

Q.P. Code : 2912

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 2912 and 2913 are to be answered within total duration of 3 hours)

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

1. Describe orthopantography its uses, advantages against reactive intra or extra oral dental x-ray.
2. Describe the routine and supplementary views of Cranium.

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

3. Lordotic view
4. Skyline view
5. Scaphoid view

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

6. Sella turcica
7. Intervertebral foramina
8. Carpal tunnel view
9. Sterno clavicular joint
10. Congenital dislocation of Hip
11. Radiography of elbow joint

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Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Imaging Technology Examination – APRIL 2015

Time: 3 Hours | Max. Marks: 30 Marks

Radiographic Technique - II

Q.P. Code : 2913

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 2912 and 2913 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) — 1 x 10 = 10 Marks

1. Describe barium swallow in detail.
2. Describe lumbar myelography under the following headings:
   a) Indication and contraindication
   b) Procedures including recommended views
   c) After care of the patient.

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

3. Hepatic venography
4. Ascending urethrography in male
5. Contrast media

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

6. Ten day rule
7. Radio isotopes
8. Bronchography
9. Seldinger technique
10. Asepsis
11. Pressure injector

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