Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Imaging Technology Examination – 30-Jul-2021

Time: Three Hours **Max. Marks: 60 Marks**

DIAGNOSTIC IMAGING TECHNIQUE (RS3)
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. What are transducers? Explain the construction and types of transducers.
2. Explain the basic principle of MRI in detail.
3. Write detail notes on electron beam CT scan with diagram.

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

4. USG protocol for abdomen and pelvis.
5. DSA and its type.
6. Gamma camera.
7. Radiopharmaceuticals and their uses.
8. Shimming and its types.
9. Ultrasound artifacts.
10. MR Angiography.

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

11. Triple phase CT.
12. CT number.
13. Radioactivity.
14. Properties of sonic waves.
15. PET principle.
16. Emergency drug in radiology.
17. Ring artifact in CT.

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III Year B.Sc. Imaging Technology Examination – 02-Aug-2021

Time: 3 Hours **Max. Marks: 30 Marks**

RADIOGRAPHIC TECHNIQUES – I (RS3)
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. Routine projection of chest region for lungs, cardia, diaphragm & ribs
2. Skeletal survey

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

3. KUB region radiograph
4. Routine radiographs of cranium, & facial bones.
5. Routine projections of Lumbar spine

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

6. Carpel tunnel view
7. Ball catchers view.
8. Elbow joint radiograph.
9. Optic Foramina
10. Olecranon process
11. Club feet

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III Year B.Sc. Imaging Technology Examination – 02-Aug-2021

Time: 3 Hours **Max. Marks: 30 Marks**

RADIOGRAPHIC TECHNIQUES – II (RS3)
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 percutaneous nephrography.
2. Discuss in detail about oral cholecystography.

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

3. Dacrocystography
4. Contrast media
5. Barium enema

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

6. Barium swallow
7. Loopogram
8. Portal radiography
9. Peripheral venography
10. Pelvimetry
11. Renal angiography

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