

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year (Semester-VI)

July -2019 Examination

B.Sc. Imaging Technology (IMT)

Time : 2.30 Hrs.

[Max. Marks : 80]

Paper – I

Diagnostic Imaging Techniques

Q.P Code : AHS-119

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Ultra sound characteristics.
2. Write essay on Positron Emission Tomography and precautions while handling Radiopharmaceuticals.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Safety consideration-effects of healing.
4. Ultrasound Instrumentation.
5. Radio Immuno Assay (Ria)
6. Ultrasound Artefacts.
7. Types of Arrays-Mechanical and Electronic.
8. Acoustic impedance.
9. Positron emission Tomography (PET).
10. Acoustic coupling media.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Patient preparation for ultrasound examination.
12. Real time colour flow imaging.
13. Spatial Resolution.
14. Ultrasound artefacts.
15. Transducer sterilization.
16. Piezoelectric effect.
17. Quality Assurance of ultrasound unit.
18. Real time Grey scale imaging of ultrasound.
19. Wave length of ultrasound.
20. Single Photon Emission Computed Tomography (Spect)
21. Doppler effect.
22. Acoustic impedance.

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July/August -2019 Examination

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Time : 2.30 Hrs.

[Max. Marks : 80]

Paper – II

Radiographic Techniques-II

Q.P Code : AHS-120

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Mammography.
2. Micturating cysto urethrography.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Dacrocystography
4. Lower limb venography
5. Guidewires
6. Cervical myelography
7. Intravenous cholecystography
8. Differences between water soluble and oily contrast media.
9. Ascending urethrography.
10. Subtraction radiography.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Lithotripsy.
12. Principle of tomography
13. Air encephalography
14. Adrenal venography
15. Foreign body localisation.
16. Ten day rule
17. Theatre radiography
18. Guidewires
19. Parotid sialography
20. Lymphography
21. Complications of myelography
22. Arthrography

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