

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Second Year (Semester-IV)

August – 2016 Examination

Time : 2.30 Hrs.

[Max. Marks: 80]

B.Sc. Imaging Technology (IMT)

Paper – I

Radiographic Technique

Q.P. Code: AHS-112

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Routine projections of chest.
2. Supplementary projections of pelvis.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Axial projections of patella.
4. Atlanto-occipital joint.
5. Caldwell's view of skull.
6. Flexion and extension of lumbar spine.
7. Ball catcher's view.
8. Orthopantomography.
9. Routine projection for KUB.
10. Thoracic spine.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Axial projection of shoulder joint.
12. Supplementary projection for thoracic inlet.
13. Routine projections of acromio-clavicular joint.
14. Odontoid view.
15. Methods of reducing radiation dose to the patient.
16. Routine projection of skull.
17. Intercondylar projections for bodies on the knee.
18. Supplementary projections for greater and lesser trochanter.
19. Projection for nasal bone.
20. Projection for supracondylar fracture.
21. Sacro-iliac joint.
22. Soft tissue expose of nasopharynx.

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B.Sc. Imaging Technology (IMT)

Paper – II

Radiographic Photography and Image processing

Q.P. Code: AHS-113

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Explain in detail about the construction of darkroom in a radiology department.
2. Chemistry of X-ray film Developer and fixer and their functions during manual processing.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Copying of radiographs.
4. Properties of cassettes.
5. Construction of films.
6. Development.
7. Types of films.
8. Safelight.
9. Computed radiography (CR).
10. Record of film stock and radiographs.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Screen film contact test.
12. Fixing time and clearing time.
13. Types of intensifying screens.
14. Factors affecting fixing time.
15. Films for different procedures.
16. Draw a neat labeled diagram of automatic processor.
17. Mounting intensifying screen on cassettes.
18. Types of hangers and storage of hangers.
19. Sources of unsharpness.
20. Uses of step wedge.
21. Formation of latent image.
22. Wet bench and dry bench.