

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**



**(A DEEMED TO BE UNIVERSITY)**

**B.Sc. Allied Health Sciences Second Year Semester-IV**

**September 2024 Examination**

**B.Sc. Imaging Technology**

**Time: 2.30 Hrs.**

**Paper-I**

**[Max. Marks: 80]**

**Sub: Basic Radiographic and Fluoroscopy**

**Q.P Code: K4360**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Explain the basic Projections of index finger.
2. Explain the indication, contraindication, position of Pelvis AP.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Write the Abdomen lateral Projection.
4. Write the Ankle lateral Projections.
5. Write the projection of Knee AP.
6. Write the projection of Lumbar spine lateral Flexion.
7. Write the Projection of Mortise view of Ankle.
8. Write the view of chest PA view.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Write a note on Volvulus.
10. Draw a neat, labeled diagram of elbow joint.
11. Write a note on KVP.
12. Write the indication for finger x-ray.
13. What is abduction.
14. Write a note on internal rotation
15. Write a note on paranasal sinuses.
16. Write a note on 4 Quadrants of abdomen
17. Name the acute abdominal series.
18. Write a note on immobilize techniques used in radiology department.

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**Paper-II**

**[Max. Marks: 80]**

**Time: 2.30 Hrs.**

**Sub: Dark Room Processing**

**Q.P Code: K4370**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Explain in detail about the Developer in Dark room.
2. Explain in detail about the Fixer in Dark room.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Write a note on Radiographic contrast.
4. Write a note on Photographic latent image.
5. Write a note on Supercoat layer.
6. Write a note on loading and unloading of cassette.
7. Write a note on Macro-radiography.
8. Explain the care and maintenance of intensifying screen.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Define Film storage.
10. Write a note on density difference.
11. Write a note on care and maintenance of auto processor.
12. Write about subtraction film.
13. Write a note on absorption unsharpness.
14. Write the advantages of intensifying screen.
15. Define Contrast resolution
16. Write a note on materials used in cassette.
17. Write about functions of Gelatin.
18. Write a note on luniniscence.

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**Paper-III**

**[Max. Marks: 80]**

**Sub: Special Procedures with Contrast Media Reactions and Management**

**Q.P Code: K4380**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Explain the IVU procedure
2. Explain Retrograde pyelourethrography(RGU)

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Write in detail about barium meal.
4. Write in detail about contrast media
5. Write in detail about Barium Swallow.
6. Write in detail about Enteroclysis.
7. Write in detail about radiation protection devices.
8. Write in detail about MCU

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Uses of Fluoroscopy.
10. Precautions while administering contrast.
11. Write a note on diagnostic catheter.
12. Write a note indication of HSG.
13. What is peak kilo voltage.
14. Write a note on Flow rate in pressure injector.
15. Write a note on Extravasation of Contrast media.
16. What is milliampere second.
17. Write a note on complications in IVU
18. Draw a labeled diagram of renal system.

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