

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



**(A DEEMED TO BE UNIVERSITY)**

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

**September 2025 Examination**

**B.Sc. Imaging Technology**

**Time: 2.30 Hrs.**

**Paper-I**

**[Max. Marks: 80]**

**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 in detail about basic and special views of skull x-rays.
2. Explain in detail about pelvis x-rays.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Write the shoulder AP Projection.
4. Write the PA Scaphoid view of Wrist Joint.
5. Write the projection of Elbow Joint lateral.
6. Write the projection of Thumb AP view.
7. Explain in detail about pelvis and frog lateral view.
8. Write the view of Cervical Spine AP view.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. List the Carpal Bones.
10. Draw a neat, labeled diagram shoulder joint.
11. Write a note on Peak Kilo Voltage (kvp).
12. Write a note Extension.
13. Write a note TLD
14. What are the Exposure Factors given for Shoulder Joint AP.
15. What is abduction and adduction?
16. Explain in detail about carpal bones.
17. List the Tarsal Bones.
18. Write a note osteoporosis.

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**September-2025 Examination**

**B.Sc. Imaging Technology**

**Time: 2hrs 30 mins**

**Paper-II**

**[Max. Marks: 80]**

**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. Draw and name the various regions of the characteristic curve.
2. Write in detail on the construction and type of intensifying screen.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Construction of Cassett and its care and maintenance.
4. Explain Factors affecting image quality.
5. Write a short note double emulsion film.
6. Write a short note on polarized films.
7. Explain the constituents presents in a fixer.
8. Write a short note on automatic processor.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Name the constituents presents in developer.
10. Name the Factor affecting the fixer.
11. Name the rare earth elements
12. Loading and unloading of the cassettes.
13. Write about safe light in darkroom.
14. Care and maintenance of cassette
15. Write the functions of film base.
16. Define Resolution
17. Define screen type films.
18. Define Developer and washer.

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**Paper-III**

**[Max. Marks: 80]**

**Time: 2.30 Hrs.**

**Special procedures with contrast media reactions**

**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 Enteroclysis Procedure
2. Explain the Barium Meal Procedure.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Explain barium meal follow through procedure.
4. Explain Pressure injector.
5. Explain Diagnostic angiographic catheter.
6. Write the indication, contraindication and patient preparation for HSG
7. Draw a neat labeled diagram of female reproductive system
8. Write a note on Barium swallow.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. List the equipment used in HSG Procedure.
10. Write the complication for barium swallow.
11. What is 28day rule
12. Write a note on Contrast Media.
13. Write a note on volvulus
14. What are indication for barium swallow
15. Write a note on fluoroscopy
16. Draw a labeled diagram of stomach
17. List the uses of catheters.
18. What are parts of small intestine?

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