

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
B.Sc. (ALLIED HEALTH SCIENCES) SECOND YEAR DEGREE EXAMINATIONS:
FEBRUARY, 2026

RADIOLOGY AND IMAGING TECHNOLOGY

PAPER-II

IMAGE PROCESSING TECHNIQUES (INCLUDING DARK ROOM TECHNIQUES)
AND SPECIAL RADIOGRAPHY PROCEDURES

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary.

Write an essay on any TWO of the following questions: **2 X 10 = 20**

1. PACS (Picture Archiving Communication System) - fundamental and archiving
2. Draw Cross section of single coated emulsion film and explain.
3. Discuss about photographic characteristics of X-ray films.

Write a short note on any FIVE of the following: **5 X 6 = 30**

4. CR (Computed Radiography)- write about cassettes based image acquisition.
5. HSG (Hysterosalpingography).
6. Automatic film processor.
7. Emergency drugs and equipment's in radiology department.
8. Types of X-ray cassettes.
9. Artefacts in X-ray films.

Write briefly on the following: **10 X 3 = 30**

10. High KV technique and its usefulness.
11. Safe light.
12. Types of contrast media used in GIT (Gastrointestinal tract).
13. Patient management in adverse reactions to contrast media.
14. Preparation of patient for IVU (Intravenous Urogram).
15. MCUG (Micturating Cystourethrogram).
16. Write about types of non-ionic contrast media.
17. Luminescent screens.
18. Loopogram.
19. Knee arthrography.
