



## Certificate Course in X-Ray Technician (SYLLABUS)

1. Structure of X-ray films, Types of X-ray films.
2. Manufacture of X-ray films
3. Characteristics of X-ray films.
4. Safe Light.
5. Testing safe light.
6. Special sensibility.
7. Latent image information.
8. Development techniques.
9. Factors affecting quality of X-ray films in processing.
10. Testing the safe light.
11. Cassettes for X-ray screen films, construction.
12. Factors affecting quality of (X-ray) Radiography.
13. Intensifying screens, types & effects, cleaning & maintenance.
14. **Artifacts:** Identification, Remedial measures.
15. General Principles of X-rays.
16. Hazards of Radiation.
17. Protective Measures.
18. Film processing room planning, lighting, Air & Ventilation.
19. Types of hangers.
20. Composition & Functions of Developer & fixer Solutions.
21. Disposal of used chemicals.
22. Film drying.
23. Account of expenditure.
24. Loading of 70 mm & 100 mm films.



**DURATION** : 1 Yr  
**ELIGIBILITY** : 10+2 with PCB Mini. 40% Marks  
**SEATS** : 50