

The APOLLO UNIVERSITY
Saketa, Chittoor, AP
AHS- V Semester End Examination, June-2024
Paper-III-IMTT 3503- EQUIPMENT OF RADIO-DIAGNOSIS

Time: 3 hours

Max. Marks: 60

Section –A (10x2=20 marks)

Answer all Questions

1. Define Compression peddle.
2. Define Grid and Grid Ratio.
3. List out advancements in mammography.
4. What is breast tomography and what are its limitations?
5. Write about CC view and MLO view of mammography.
6. What is digital mammography?
7. What is a mobile x-ray unit and a portable x-ray unit?
8. Write the advantages and disadvantages mobile x-ray unit.
9. Explain different types of film sizes.
10. List out the different types of dental radiography.

Section –B (5X8=40 marks)

Answer all Questions either A or B in 400 words each

11. A) Draw a neat labelled diagram of Mammography equipment.
OR
B) Enumerate the constituents of the developer solution and of fixer solution and their functions.
12. A) Write about recent advancements in mammography techniques.
OR
B) Write about different types of films and explain films used in mammography.
13. A) Write about immobilization and identification techniques of mammogram.
OR
B) Write about Cleopatra view, Cleavage view, Tangential view and Eklund method.

Cont.....

14. A) Write the instrumentation of the mobile X-ray unit and portable x-ray unit.

OR

B) Draw and explain the working principle of capacitor discharge unit and of Cordless mobile unit.

15. A) Explain the types of dental radiography and write in detail about intra-oral radiography.

OR

B) Write the positioning of Periapical radiography, Bitewing radiography and Occlusal radiography.
