Rajiv Gandhi University of Health Sciences, Karnataka

I Year M.Sc Medical Imaging Technology - 28-Dec-2020

Time: 3 Hours **Max. Marks: 80**

RADIOGRAPHIC PROCEDURE AND PRINCIPLES OF RADIOGRAPHIC EXPOSURE
Q.P. CODE: 9541

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **08 X 10 = 80 Marks**

1. Discuss the various interactions of x-rays with matter.
2. Discuss the various radiographic projections for paranasal sinuses.
3. Intensifying screens.
4. Parts of mammography unit and list the various views.
5. Discuss types of contrast media and contrast reactions.
6. High kvp technique in chest radiograph.
7. What is barium swallow? List indications, contraindications and out time the procedure.
8. Write a note on HSG.

I Year M.Sc Medical Imaging Technology - 30-Dec-2020

Time: 3 Hours **Max. Marks: 80**

INSTRUMENTATION OF CONVENTIONAL X-RAY EQUIPMENTS AND INSTRUMENTATION OF SPECIALIZED RADIOLOGY EQUIPMENTS – PAPER-II
Q.P. CODE: 9542

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **08 X 10 = 80 Marks**

1. Describe about construction and working principle of image intensifier.
2. Describe the devices influencing improve in radiographic image.
3. Describe the exposure switching and timing circuits of X-Ray equipment.
4. Principles of tomography and its types.
5. Explain about thermal relay switches.
6. Medium and high frequency generators.
7. Full wave and half wave rectifiers.
8. Types of circuits.

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