

[LB 0212]

AUGUST 2012

Sub. Code: 1903

B.Sc. - RADIOTHERAPY TECHNOLOGY

FIRST YEAR

PAPER – III RADIOGRAPHIC PHOTOGRAPHY

Q.P. Code : 801903

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|---|---|----|----|
| 1. What is radiography?
What are the accessories required for a good radiological image? | 7 | 20 | 10 |
| 2. Describe the structure on an X-ray film. | 7 | 20 | 10 |
| 3. Discuss the procedure involved in film processing. | 7 | 20 | 10 |

II. Write Notes on:

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|--|---|----|---|
| 1. What are contrast agents? Explain with example. | 4 | 10 | 5 |
| 2. What are the characteristics of an X-ray Film. | 4 | 10 | 5 |
| 3. What are the requirements to set up a dark room. | 4 | 10 | 5 |
| 4. What are the factors influencing image quality. | 4 | 10 | 5 |
| 5. What are beam restrictors / collimator. | 4 | 10 | 5 |
| 6. Describe the X-ray tube with diagram. | 4 | 10 | 5 |
| 7. What is the influence of temperature and time in film processing. | 4 | 10 | 5 |
| 8. Describe the characteristic curve. | 4 | 10 | 5 |

III. Short Answers on:

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|-------------------------|---|---|---|
| 1. Automatic Processor. | 2 | 4 | 3 |
| 2. Fluoroscopy. | 2 | 4 | 3 |
| 3. Image Intensifier. | 2 | 4 | 3 |
| 4. Dental film. | 2 | 4 | 3 |
| 5. What is SPR. | 2 | 4 | 3 |
| 6. Cassette. | 2 | 4 | 3 |
| 7. Total filtration. | 2 | 4 | 3 |
| 8. Laser lights. | 2 | 4 | 3 |
| 9. Moving Grid. | 2 | 4 | 3 |
| 10. Replinisher. | 2 | 4 | 3 |
