

[LB 0212]

AUGUST 2012

Sub. Code: 1904

**B.Sc. - RADIOTHERAPY TECHNOLOGY**

**FIRST YEAR**

**PAPER IV – GENERAL PRINCIPLES OF HOSPITAL PRACTICES**

*Q.P. Code : 801904*

**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. Describe on detail what you will do if a patient becomes unconscious and stops breathing in the department.   | 7 | 20 | 10 |
| 2. If a patient with an infective lung disease has to be treated with radiotherapy, what steps will you take to protect yourself and to prevent spread of infection? | 7 | 20 | 10 |
| 3. Describe contrast agents used in the radiotherapy department and their applications. What are the risks involved in their usage?                                  | 7 | 20 | 10 |

**II. Write Notes on:**

- |   |   |    |   |
|---|---|----|---|
| 1. Steps for application of a sterile dressing.   | 4 | 10 | 5 |
| 2. Write in brief about handling an accident in Radiotherapy department.  | 4 | 10 | 5 |
| 3. Describe in brief the responsibility of a radiographer towards a patient.  | 4 | 10 | 5 |
| 4. List the items in a resuscitation trolley, their use and how do you keep a check on availability.                | 4 | 10 | 5 |
| 5. Sterilization techniques and how do you sterilize brachytherapy applicators used for gynaecologic brachytherapy. | 4 | 10 | 5 |
| 6. Care of a child being given radiotherapy under anaesthesia.  | 4 | 10 | 5 |
| 7. What is negligence? What is the responsibility for negligence?   | 4 | 10 | 5 |
| 8. What steps will you take if you see a patient undergoing radiotherapy has a radiation induced reaction.          | 4 | 10 | 5 |

**III. Short Answers on:**

- |  |   |   |   |
|--|---|---|---|
| 1. Steps in transferring a patient from the wheel chair to the couch and back.         | 1 | 5 | 2 |
| 2. Shifting of patient with a brachytherapy implant from stretcher to treatment couch. | 1 | 5 | 2 |
| 3. Preparation of a patient for Intravenous Pyelogram (IVP).                           | 1 | 5 | 2 |
| 4. Rescheduling of appointments in the event of a treatment machine breakdown.         | 1 | 5 | 2 |
| 5. Care of patient undergoing radiation with a nasogastric tube.                       | 1 | 5 | 2 |
| 6. Write a short note on inventory of immobilization devices.                          | 1 | 5 | 2 |
| 7. Professional conduct in the work place.   | 1 | 5 | 2 |
| 8. Colostomy cure during radiotherapy.   | 1 | 5 | 2 |
| 9. Importance of treatment records in Radiotherapy.                                    | 1 | 5 | 2 |
| 10. Care of patient with tracheostomy on radiation.                                    | 1 | 5 | 2 |

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