

## Rajiv Gandhi University of Health Sciences

### Post-Graduate Fellowship Examination – JULY-2019

**Time: Three Hours**

**Max. Marks: 100 Marks**

#### **Brachytherapy - PAPER – II**

**QP Code: F016**

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

#### **LONG ESSAY (These questions carry 20 marks each)**

**2 X 20 = 40 Marks**

1. Discuss the major indications of Brachytherapy in various body sites and its sequencing with EBRT.
2. Discuss the indications of Brachytherapy in breast cancer. Describe the procedures of Intracavitary, interstitial, intraoperative and permanent seed implants in carcinoma breast.

#### **SHORT ESSAY (These questions carry 10 marks each)**

**6 X 10 = 60 Marks**

3. What do you mean by image guided Brachytherapy? Describe its merits and demerits.
4. Name the various Brachytherapy implant dosimetry systems. Describe any one in detail.
5. Describe the occurrence and management of acute and late toxicity of Brachytherapy.
6. Describe the different applicators available for gynecological Brachytherapy.
7. Describe 1) Eye plaques and 2) Endovascular Brachytherapy.
8. What are unsealed radionuclides? Describe the concepts of uptake, distribution and elimination and outline the process with any one example.

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