

Rajiv Gandhi University of Health Sciences, Karnataka

Ph.D Entrance Examination – MARCH-2019

Time: 90 Minutes

Max. Marks: 50 Marks

Faculty: Medical
Subject: Radiation Physics (Allied Health Sciences)
PAPER – II
Q.P. CODE: MA001

Your answers should be specific to the questions asked.

Answer All the Following Questions**10 X 05 = 50 Marks**

1. Give the advantages of using wedge in radiotherapy treatment.
2. Explain about ICRU 50 protocols.
3. Give an detailed account of IMRT over 3DCRT.
4. Explain the optically stimulated luminescence dosimetry in detail.
5. Write about evaluation of plan in treatment planning.
6. Write about importance of immobilization in radiation therapy treatment.
7. Conversion of percentage depth dose from one SSD to another SSD.
8. Write about the classification of Brachytherapy treatment based on dose rate, application method, duration of treatment and loading methods.
9. Explain the salient features of LQ model.
10. Maximum permissible dose limits for radiation worker and General public as per AERB, NCRP, ICRP.

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