

The West Bengal University of Health Sciences
M.D. (Radiotherapy) July - August, 2021 Examination

Paper: IV

Full Marks: 100
Time : 3 Hours

Answer all questions

1. What is adaptive radiotherapy ? When it is needed and how it is performed. 10
2. What are the methods and indications for radiofrequency ablation? 10
3. Check point inhibitors in cancer therapy. 10
4. Role of HIPEC in cancer management. 10
5. Cancer Vaccine. 10
6. Write short notes on preventive oncology. 10
7. What is Tomotherapy ? Discuss its principle and construction. How it differ from LINAC based arc therapy. 10
8. Justify the role of intraperitoneal chemotherapy, its biological basis and malignancies that can be treated with it. 10
9. Discuss the indications, techniques and results of hemi body radiation therapy for delivery of IMAT. 10
10. What is the principle of flow cytometry? How is it useful in diagnosis of malignancy? Give examples. 4+6