

National Board of Examinations

Question Paper Name : DNB Radiation Oncology Paper1
Subject Name : DNB Radiation Oncology Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718737705 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

- a) Briefly describe the anatomy and lymphatic drainage of the uterine cervix. [5]
- b) Discuss the latest FIGO staging in carcinoma cervix. [5]

Question Number : 2 Question Id : 32718737706 Consider As Subjective : Yes

- a) Classification and pathology of malignant brain tumors according to WHO 2021 updates. [2+4]
- b) What is the role of molecular biology in the management of gliomas? [4]

Question Number : 3 Question Id : 32718737707 Consider As Subjective : Yes

- a) Design an epidemiological study for the commonest female cancer in your institute. [5]
- b) What is the ideal constitution and role of ethical and scientific committee of any institute? [5]

Question Number : 4 Question Id : 32718737708 Consider As Subjective : Yes

- a) Population based cancer registry. [3]
- b) Need of having standards of cancer survivorship care. [4]
- c) Pitfalls in screening programs in India. [3]

Question Number : 5 Question Id : 32718737709 Consider As Subjective : Yes

- a) What is the basic technique, principle and rationale of IHC as applicable to oncology? [6]
- b) What is the role of IHC in the management of a case of metastasis of unknown origin? [4]

Question Number : 6 Question Id : 32718737710 Consider As Subjective : Yes

Proton therapy:

- a) Bragg peak effect. [3]
- b) Treatment planning. [3]
- c) Clinical applications. [4]

Question Number : 7 Question Id : 32718737711 Consider As Subjective : Yes

- a) Describe the boundaries of current nodal levels of neck. [5]
- b) Discuss pathological classification of salivary gland tumours. [5]

Question Number : 8 Question Id : 32718737712 Consider As Subjective : Yes

- a) Target volumes as specified by ICRU Report 50. [5]
- b) Major differences between 3DCRT forward planning and IMRT inverse planning. [5]

Question Number : 9 Question Id : 32718737713 Consider As Subjective : Yes

- a) Radiobiological effectiveness. [3]
- b) eLora. [3]
- c) Confidence interval and Forest Plot. [4]

Question Number : 10 Question Id : 32718737714 Consider As Subjective : Yes

- a) Penumbra of electron beams. [3]
- b) Total skin irradiation. [3]
- c) Electron arc therapy for treating postmastectomy chest wall. [4]