

National Board of Examinations

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| Question Paper Name : | DNB Radiation Oncology Paper1 |
| Subject Name : | DNB Radiation Oncology Paper1 |
| Creation Date : | 2021-08-25 17:08:59 |
| Duration : | 180 |
| Total Marks : | 100 |
| Display Marks: | No |

DNB Radiation Oncology Paper1

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| Group Number : | 1 |
| Group Id : | 327187309 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Break time : | 0 |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |

DNB Radiation Oncology Paper1

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| Section Id : | 327187312 |
| Section Number : | 1 |
| Section type : | Offline |
| Mandatory or Optional : | Mandatory |

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| Number of Questions : | 10 |
| Number of Questions to be attempted : | 10 |
| Section Marks : | 100 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 327187316 |
| Question Shuffling Allowed : | No |

Question Number : 1 Question Id : 3271871611 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe anatomy and lymphatic drainage of larynx. [5]
- b) Describe levels of neck node for radiation treatment planning. [5]

Question Number : 2 Question Id : 3271871612 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Principles of hormone therapy in Ca Prostate. [5]
- b) Define Hormone Refractory Prostate Cancer. Describe its management. [5]

Question Number : 3 Question Id : 3271871613 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Histopathological classification of brain tumours. [5]
- b) Describe the pathology of glioblastoma multiforme. Enumerate the MRI features of GBM. [3+2]

Question Number : 4 Question Id : 3271871614 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe 4-R's of Radiobiology. [5]
- b) Radiation sensitizers and protectors. [5]

Question Number : 5 Question Id : 3271871615 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe phase 0, Phase I and Phase IV clinical trials. [6]
- b) Describe Interim Analysis and its implications. [4]

Question Number : 6 Question Id : 3271871616 Question Type : SUBJECTIVE

Correct Marks : 10

Describe the structure and functioning of a linear accelerator. [5+5]

Question Number : 7 Question Id : 3271871617 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe essential steps in setting up of a Radiotherapy Department in India. [8]
- b) Enumerate the radiotherapy equipment necessary for starting post graduate training in Radiation Oncology, as per current regulatory guidelines. [2]

Question Number : 8 Question Id : 3271871618 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Wedge filters. [5]
- b) Shielding blocks used in mega voltage teletherapy. [5]

Question Number : 9 Question Id : 3271871619 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe screening guidelines for breast cancer. [5]
- b) Discuss the chemoprevention of breast cancer. [5]

Question Number : 10 Question Id : 3271871620 Question Type : SUBJECTIVE

Correct Marks : 10

Describe the indications, technique and results of brachytherapy in Ca Prostate. [3+4+3]