

National Board of Examinations

Question Paper Name : DNB Radiation Oncology Paper2
Subject Name : DNB Radiation Oncology Paper2
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718733584 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

1. a) What are the various altered fractionation schedules in management of oropharyngeal cancers? [5]
b) Describe the sequelae of concurrent chemoradiation in advanced head and neck cancers with special emphasis on geriatric population. [5]

Question Number : 2 Question Id : 32718733585 Consider As Subjective : Yes

- a) What is APBI (Accelerated Partial Breast Irradiation)? Mention various dosage schedules for delivering APBI. [2+3]
b) What are the various methods of delivering APBI with their advantages and disadvantages? [5]

Question Number : 3 Question Id : 32718733586 Consider As Subjective : Yes

- a) What are the various treatment options to manage T3N2M0 superior sulcus tumours? [5]
b) Discuss the role of stereotactic radiotherapy in node-negative early stage NSCLC. [5]

Question Number : 4 Question Id : 32718733587 Consider As Subjective : Yes

- a) How will you work-up a case of suspected testicular mass? [3]
b) What are the treatment options for managing a case of pure seminoma stage IIA? [4]
c) Discuss the role of radiotherapy in Wilms tumour. [3]

Question Number : 5 Question Id : 32718733588 Consider As Subjective : Yes

- a) What is the standard of care for a 45-year-old male with muscle invasive cT3N0 carcinoma urinary bladder? [5]
- b) What is the toxicity profile and the quality of life concerns in organ preservation protocol versus post-cystectomy setting? [5]

Question Number : 6 Question Id : 32718733589 Consider As Subjective : Yes

- a) Describe the classification in Hodgkins lymphoma. [4]
- b) Describe the role of radiotherapy in NHL: indications, toxicities and follow up. [6]

Question Number : 7 Question Id : 32718733590 Consider As Subjective : Yes

- a) Describe the staging of vulval cancer. [2]
- b) Management of nodes in vulval cancer. [3]
- c) Role of radiotherapy in vulval cancer. [5]

Question Number : 8 Question Id : 32718733591 Consider As Subjective : Yes

Multiple myeloma:

- a) Smoldering myeloma. [2.5]
- b) Durie and Salmon staging system for multiple myeloma. [2.5]
- c) Principles of radiation therapy for solitary plasmacytoma. [2.5]
- d) POEMS syndrome. [2.5]

Question Number : 9 Question Id : 32718733592 Consider As Subjective : Yes

Prostate cancer:

- a) Initial risk stratification for clinically localized Ca-prostate. [3]
- b) Indications, methods and doses of brachytherapy for prostate cancer. [3]
- c) Dosimetric comparison of LDR-BT versus HDR-BT for Ca-prostate. [4]

Question Number : 10 Question Id : 32718733593 Consider As Subjective : Yes

Carcinoma cervix:

- a) Various target volumes for IMRT planning. [5]
- b) Principles of dose prescription for HDR brachytherapy in intact cervix. [5]