

National Board of Examinations

Question Paper Name :	DNB Otorhinolaryngology ENT Paper4
Subject Name :	DNB Otorhinolaryngology ENT Paper4
Duration :	182
Total Marks :	100
Display Marks:	No
Maximum Instruction Time :	0
Is Section Default? :	No

Question Number : 1 Question Id : 32718745222 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

- How does radiotherapy act? [3]
- Discuss the dose delivery methods (normal and various modifications to increase its effectiveness and decrease its toxicity). [4]
- Briefly discuss the clinical features of radiation toxicity. [3]

Question Number : 2 Question Id : 32718745223 Consider As Subjective : Yes

- What is gene mapping? [1]
- Enumerate the various strategies employed for gene mapping. [3]
- Enumerate the viral vectors used for gene therapy. [2]
- What are the various approaches used in gene therapy? [4]

Question Number : 3 Question Id : 32718745224 Consider As Subjective : Yes

- a) Enumerate the basic principles of gamma knife stereotactic radiosurgery. [4]
- b) Mention the various steps involved in treating a patient with this technique. [4]
- c) What are the limitations of this modality? [2]

Question Number : 4 Question Id : 32718745225 Consider As Subjective : Yes

- a) Enumerate the differential diagnosis of a midline neck swelling. [4]
- b) Briefly discuss the clinical presentation of a patient with thyroglossal cyst. [2]
- c) Differences between ectopic and aberrant thyroid. [4]

Question Number : 5 Question Id : 32718745226 Consider As Subjective : Yes

- a) What are the sites for putative biopsies in a case of an unknown primary with neck secondaries? [2]
- b) Describe the various levels of lymph nodes in neck. [4]
- c) Discuss the various types of neck lymph node dissections. [4]

Question Number : 6 Question Id : 32718745227 Consider As Subjective : Yes

- a) Classify chemotherapeutic agents according to their mechanism of action. [6]
- b) What are the various chemotherapy strategies used in head and neck malignancies? [4]

Question Number : 7 Question Id : 32718745228 Consider As Subjective : Yes

- a) Briefly discuss the principles of PET (positron emission tomography). [3]
- b) What is SUV in relation to PET? [2]
- c) Enumerate the oncological indications of PET-CT in head and neck. [5]

Question Number : 8 Question Id : 32718745229 Consider As Subjective : Yes

- a) What is the mechanism of action of lignocaine? [2]
- b) What is the maximum safe dose of lignocaine infiltration? [2]
- c) Enumerate the adverse drug reactions associated with its usage. [3]
- d) What is Plester's technique of local anesthesia for ear surgeries? [3]

Question Number : 9 Question Id : 32718745230 Consider As Subjective : Yes

- a) Enumerate the cytological features of dysplasia. [3]
- b) What are the grades of dysplasia? [3]
- c) Briefly discuss the management of carcinoma in situ of glottis. [4]

Question Number : 10 Question Id : 32718745231 Consider As Subjective : Yes

- a) What are the various reconstruction options following floor of mouth resection surgeries? [6]
- b) Enumerate the blood supply and uses of nasolabial flap. [4]