

MEDICAL ONCOLOGY

PAPER-III

MEDONCO/D/18/17/III

Time: 3 hours
Max. Marks:100

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

- Enumerate the smoking attributable cancers and the various carcinogens that have been implicated. 2+3+5
 - What is field cancerization?
 - Steps involved in tobacco de-addiction.
- Enumerate the differences between hospital based and population based cancer registry. 5+5
 - Write briefly the epidemiology of childhood cancer in India.
- Enumerate the neuromuscular complications of cancer and cancer treatment. 5+5
 - Write a neuropathy assessment algorithm which can guide treatment.
- Diagrammatically represent estrogen receptor and its downstream pathway. 5+5
 - Write briefly about selective estrogen receptor modulator as a risk reducing agent for breast cancer prevention with evidence.
- What are the objectives of phase 1 clinical trial? 2+5+3
 - Outline a design of a phase 1 clinical trial.
 - What are the limitations of using traditional designs for evaluating tumour vaccines or molecularly targeted therapy?
- Enumerate the various performance status scale tools used in Oncology. 2+4+4
 - Write briefly on any one tool used with a special mention on its limitations.
 - Write briefly the prognostic score used in Hodgkin's Lymphoma.

P.T.O.

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7. A 30-year-old female diagnosed as acute myeloid leukemia underwent Allogenic bone marrow transplant with Busulfan and Cyclophosphamide as conditioning regimen. She developed Jaundice on day +12. 3+3+4
a) Write differential diagnosis.
b) What are the risk factors for Veno-occlusive disease (VOD)?
c) Outline the treatment of VOD in this patient.
8. a) Enumerate the genes involved in hereditary ovarian cancer. 3+3+4
b) Write briefly the Amsterdam criteria for clinical diagnosis of Lynch Syndrome.
c) Role of immunotherapy in patients with MSI- H tumours.
9. a) What are the goals of cancer survivorship health care? 3+4+3
b) Enumerate the various late effects resulting from use of chemotherapy.
c) List the secondary malignant neoplasm seen in survivors.
10. a) Describe the common pain syndromes. 2+3+5
b) Diagrammatically represent WHO pain ladder.
c) Write a prescription for a patient with pancreatic cancer presenting with severe backache.
