

**MEDICAL ONCOLOGY****PAPER-III**

Time: 3 hours

MED.ONCO/D/19/17/III

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:**

1. A 25-year-old male presents with left supraclavicular lymphadenopathy in the outpatient department. 2+4+4
  - a) Write the differential diagnosis.
  - b) Risk stratification and staging of testicular germ cell tumours.
  - c) Management of high risk germ cell tumour of testis.
2.
  - a) Write an algorithm for the treatment of metastatic breast cancer (MBC). 3+4+3
  - b) Describe management of hormone receptor positive HER2 negative MBC.
  - c) Cyclin dependent kinase inhibitors.
3.
  - a) List the oncological emergencies that may be associated in a patient with acute promyelocytic leukemia(APML). 3+4+3
  - b) Enumerate the various supportive treatments that need to be provided to a patient with APML
  - c) Management of low risk APML.
4.
  - a) Differential diagnosis and evaluation of small round cell tumour in a child. 3+4+3
  - b) Diagnosis and staging of neuroblastoma.
  - c) Management of stage 4S neuroblastoma.
5.
  - a) Histology specific differential response to chemotherapy/targeted. therapy in advanced soft tissue sarcoma. 5+3+2
  - b) Systemic therapy of metastatic uterine leiomyosarcoma.
  - c) Desmoids tumour.
6.
  - a) Evaluation of a patient presenting with metastatic liver disease. 3+5+2
  - b) Describe various liver directed therapies in liver metastasis.
  - c) Complications of radiofrequency ablation.

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7. a) Waldenstrom's macroglobulinemia. 3+4+3  
b) POEMS syndrome.  
c) Systemic AL (immunoglobulin light chain) amyloidosis.
8. a) Etiological factors in cancer of urinary bladder. 3+3+4  
b) Diagnosis and staging of cancer of urinary bladder.  
c) Management of stage I urinary bladder cancer.
9. a) Grading and staging of follicular lymphoma. 3+3+4  
b) Indication of treatment in follicular lymphoma.  
c) Management of newly diagnosed stage IV grade 2 follicular lymphoma.
10. a) Stem cell harvesting. 3+2+3+2  
b) Cryopreservation of stem cells.  
c) Conditioning regimens.  
d) Graft versus host disease.

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