



**MEDICAL ONCOLOGY**

**PAPER – III**

MED.ONCO/D/14/17/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.

1. How is breast cancer classified? What are the various histopathological types? What is the latest classification of breast cancer? 3+4+3
2. Write about Translational Research in soft tissue sarcomas. Write about histological classification of soft tissue carcinomas. 5+5
3. What is the role of flow cytometry in classifying acute leukemias? What is the treatment approach of MDS with AML? 6+4
4. Discuss critically various investigations (with interpretations) for bone sarcomas in children. How will you treat a 20 year man with osteosarcoma of left tibia? 5+5
5. Discuss importance of 'Performance score/scale' in Oncology. How will you assess performance score in a 80 year old male? 5+5
6. What are the various types of clinical trials? What are biomarkers driven adaptive clinical trials? What are Gene chip arrays? 4+3+3
7. Discuss staging and prognostic score for Gestational Trophoblastic Neoplasia. 10
8. Briefly discuss various prognostic factors in Chronic Lymphocytic Leukemia (CLL). How will you plan treatment for a 70 year old woman just diagnosed to have CLL? 5+5
9. What is complementary and alternative medicine? How does it help in quality of life and symptom or adverse effect management? 4+(3+3)
10. List various malignancies associated with viruses. Discuss the role of vaccination to prevent such cancers. 4+6

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