

**MEDICAL ONCOLOGY**

**PAPER – III**

Time : 3 hours

MED.ONCO./D/17/17/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. What is metronomics in cancer care? 2+3+5  
b. Mechanisms proposed for metronomic therapy.  
c. Mention randomized trial based inference for and against use of metronomic therapy in refractory cancers.
2. With respect to oral cancer, describe: 3+3+4  
a. Epidemiology  
b. Role of viral etiology  
c. Role of targeted therapy
3. a. Epidemiology of gall bladder cancer in India 4+3+3  
b. Staging of gall bladder cancer.  
c. Role of chemotherapy in unresectable gall bladder cancer
4. a. Diagnosis of pontine glioma 4+6  
b. Medical management of pontine glioma including targeted therapy
5. a. What are the domains of quality of life assessment? 5+5  
b. Mention the tools for assessment of quality of life.
6. a. Predictors of graft versus host disease in haploidentical transplant 4+6  
b. Pros and cons of cord stem cell transplant versus haploidentical transplant for malignancies.
7. a. How is a biosimilar molecule different from a generic molecule? 4+3+3  
b. What are the trial requirement for a biosimilar agent in India?  
c. What is a phase IV clinical trial? **P.T.O.**

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|-----|--------------------------------------------------------------------------------------------------------|---------|
| 8.  | a. Which cases of breast and ovarian cancer you would send for genetic counseling?                     | 3+2+2+3 |
|     | b. What diagnostic tests would be performed for detecting hereditary breast / ovarian cancer syndrome? |         |
|     | c. How would you plan the follow up of these patients?                                                 |         |
|     | d. What is the supporting evidence for prophylactic mastectomy in this setting?                        |         |
| 9.  | a. Staging system of neuroblastoma.                                                                    | 4+3+3   |
|     | b. How is stage IVS neuroblastoma different from stage IV neuroblastoma.                               |         |
|     | c. Targeted therapy for neuroblastoma.                                                                 |         |
| 10. | a. Role of viral and bacterial infections in causing lymphoma.                                         | 4+3+3   |
|     | b. Treatment of an organism related lymphoma- Explain with example.                                    |         |
|     | c. Setting of lymphoma where only radiotherapy is used.                                                |         |

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