

Cancer, a deadly disease: Myths and Facts, CCC419
Mid-semester exam, Monday, September 8th, 2025; Marks 50: Answer all questions

1. Very few cancers are caused by inherited genetic defects.
 - a. True
 - b. False
2. Not all tumors are cancers, but all cancers are tumors.
 - a. True
 - b. False
3. Biomarkers are useful for cancer patients in which of the following:
 - a. Diagnosis of the disease
 - b. Prognosis of the disease
 - c. Predictive of the response to therapy
 - d. All the above
4. Which phase of a clinical trial involves comparing the effectiveness of a new treatment with the existing one?
 - a. I
 - b. II
 - c. III
 - d. IV
5. Which of the following cancer types is the most common?
 - a. Carcinoma
 - b. Leukaemia
 - c. Sarcoma
 - d. Lymphoma
6. Highly abnormal cancers tend to be clinically challenging to handle because
 - a. They have many faulty cells
 - b. They respond to standard treatment poorly
 - c. The disease is often diagnosed at an advanced stage/grade
 - d. All the above
7. Which of the following groups of cancers is considered slow-growing and easier to detect early?
 - a. Glioma, meningioma, medulloblastoma
 - b. Leukaemia, Lymphoma, multiple myeloma
 - c. Melanoma, basal cell and squamous cell carcinoma
 - d. Breast, prostate and thyroid cancers
8. Matured nerve cells cannot form a tumor as they don't divide readily.
 - a. True
 - b. False
9. Which of the following cancers don't use TNM staging for diagnosis?
 - a. Breast
 - b. Bone
 - c. Bladder
 - d. Brain
10. Natural killer cells kill abnormal or cancerous cells that evade detection by T cells.
 - a. True
 - b. False
11. Cancer is a progressive disease. It can take decades before a diagnosis is made.
 - a. True
 - b. False
12. A person diagnosed with a tumor has T3N2M1. This tumor is considered benign.

- a. True
 - b. False
13. Typically, blood cancers are detected earlier than cancers of solid tissues.
- a. True
 - b. False
14. Cancer biomarkers can be found in both cancerous tissue and patients' blood.
- a. True
 - b. False
15. A growing tumor mass, when diagnosed, contains millions of cells, but these are not genetically identical.
- a. True
 - b. False
16. Environmental factors rarely cause childhood cancers.
- a. True
 - b. False
17. Tumor that can grow hair, nails, teeth, bones, etc, is known as
- a. Meningioma
 - b. Rhabdosarcoma
 - c. Teratoma
 - d. None of the above
18. Lymphoma is solid, and leukaemia is liquid.
- a. True
 - b. False
19. Identifying the correct dose of a cancer drug is pursued during the following phase of a clinical trial.
- a. I
 - b. II
 - c. III
 - d. IV
20. Old age increases the chance of being diagnosed with cancer.
- a. True
 - b. False
21. A grade of cancer is related to
- a. The size of the tumor
 - b. How far the tumor has spread from the organ it started
 - c. How abnormal the tumor cells look under the microscope
 - d. None of the above
22. All cancers spread to the same places.
- a. True
 - b. False
23. Cancer can start by chance, but organs with actively dividing cells may be more prone to developing cancer.
- a. True
 - b. False
24. Access to blood vessels is essential for metastasis.
- a. True
 - b. False
25. Immunotherapy is a promising avenue for treating highly abnormal tumor.
- a. True
 - b. False