

Shahjalal University of Science and Technology

Department of Biochemistry and Molecular Biology

BMB 424 Oncology Midterm -I

Full marks: 10 Time: 1 hr

1. Explain what is meant by the following terms in terms of Oncology: 0.75x4=3.0

a. Neoplasm b. Malignant Tumors c. Staging of Neoplasms d. Grading of Neoplasms

2. Cancers are named after their original cell type, from the organ where the cancer first begins to grow. This is the primary cancer. Cancer cells can break away from the primary site and travel to other parts of the body in the blood or lymphatic system. The cells eventually lodge in another body organ and begin to grow there. This is called a secondary cancer. But the cells are still the same type - that of the primary cancer. So, if someone is diagnosed with secondary liver cancer, which would be the original cell type and how it colonized from primary site to the liver? 4.0

Multiple Choice

0.25x6=1.50

Identify the letter of the choice that best completes the statement or answers the question.

3. Cells from a muscle tumor show a reduced ability to form new muscle and appear highly disorganized. This is an example of:
a. Dysplasia b. Hyperplasia c. Myoplasia d. Anaplasia
4. Which are cancers, arising from connective tissues?
a. Osteogenic sarcoma b. Basal cell carcinoma c. Multiple myeloma d. Adenocarcinoma
5. Carcinoma refers to abnormal cell proliferation originating from which tissue origin?
a. Blood vessels b. Epithelium cells c. Connective tissue d. Glandular tissue
6. Which of the following features would best indicate that an adrenal cortical neoplasm was malignant:
a. Presence of mitosis b. Cellular atypia c. Dysplasia d. Metastases
7. The process of neoplastic cells moving through the circulatory system and becoming lodged in a vessel causing obstruction is referred to as:
a. Anaplasia b. Neoplasia c. Thrombosis d. Embolism
8. The disappearance of the signs and symptoms of cancer but not necessarily the entire disease. The disappearance can be temporary or permanent
a. Event-free survival (EFS) b. Disease-free survival (DFS) c. Remission d. Recurrence

Matching

0.25x6=1.50

Match the description with its corresponding term.

- Highly malignant tumor of the sympathetic nervous system 14
- Solid tumors that originate from epithelial tissue 9
- Tumors occurring in any structural region of the brain 10
- Tumors that arise from gliomas and meninges
- Originate from supportive and connective tissue 11
- Most common malignant tumor of epithelial tissue 12

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|--------------------------|---------------------------------|-------------------|
| 9. Carcinomas | 10. Intracranial Tumors | 11. Sarcomas |
| 12. Basal Cell Carcinoma | 13. Primary Intracranial Tumors | 14. Neuroblastoma |