I. Answer the following question: (30 marks)

1. Give the classification, etiology, pathogenesis, pathological features (gross & microscopic), staging, spread and prognosis of lung carcinoma.

II. Answer the following questions: (15 marks each)

Illustrate in a table a comparison between:

2. Seminoma and testicular teratoma.
3. Hypernephroma and nephroblastoma (Wilms' tumor).
4. Hodgkin's and non- Hodgkin's lymphoma.

III. Study the following case scenarios, and then answer the questions below: (25 marks each)

5. A female patient presented with a huge ovarian mass which was removed. Histological examination gave the diagnosis of granulose cell tumor.

A. What is the origin of this tumor?
B. Describe the histological picture of this tumor.
C. Mention the biologic behavior of this tumor.
D. Discuss the effects of this tumor.
E. Enumerate other ovarian tumors which have the same origin.

Good Luck