

**SZMC Rahimyar Khan**  
**Pathology 4<sup>th</sup> year**

1. a. differentiate between Type 1 and Type 2 Diabetes mellitus.  
b. Enlist lab diagnosis and preventive measures about D.M.
  
2. boy aged 4 with periorbital swelling, pedal edema. Urinary protein >5g/day.
  - a. Diagnosis
  - b. laboratory findings.
  
3. a. classify non Hodgkin lymphoma  
b. morphological picture of Burkitt lymphoma.
  
4. short note on
  - a. cervical intraepithelial neoplasia.
  - b. Hashimoto thyroiditis
  
5. a. CSF finding of pyogenic meningitis  
b. name brain tumors and give morphology of astrocytoma.
  
6. CT reveals mass in cerebellum of 12 yr old, CSF positive for malignant cells.
  - a. Diagnosis
  - b. gross and microscopic findings of the lesion
  
7. a. causes of jaundice  
b. lab diag of obstructive jaundice
  
8. a. Renal function tests  
b. fibroadenoma
  
9. man 44 yrs consulted cardiologist, peripheral edema of ankles and feet, chronic smoker. diagnosed as cor pulmonale with right-sided HF failure.
  - a. schematic representation of sequence of events in heart failure.
  - b. morphological features of right-sided heart failure.
  
10. 27 yr man, painful lesion of scapula. xray reveal onion skin appearance.
  - a. identify
  - b. translocation
  - c. microscopic appearance with 2 ID points
  
11. male 52, works in dyeing factory, painless hematuria, cytology reveals papillary growth in bladder later confirmed to be malignant.
  - a. diagnosis
  - b. carcinogens involved and their mechanism of action
  
12. man 40, diagnosed as H. Pylori associated gastritis.
  - a. percentage of pylori in causing gastritis
  - b. mechanism of causing gastritis
  
13. 45 yr female, pap smear done, reported as CIN II
  - a. screening for DNA of which virus is most pertinent?
  - b. role played by the virus in pathogenesis of cervical cancer.
  
14. man 54, polyuria, urgency, overflow incontinence and nocturia. PR reveals nodular prostate enlargement. Serum PSA <4ng/dl. biopsy negative for malignancy.

a. diag

b. gross n microscopic finding on biopsy.