

**2013/14 Batch**  
**Tutorial on Neoplasia**  
**22<sup>nd</sup> January 2018, 1.30 pm – 2.30 pm**

30 minute essay

1.
    - 1.1. Describe the differences between hyperplasia and neoplasia ? (15 Marks)
    - 1.2. Name three types of genes that play a role in tumour genesis (15 Marks)
    - 1.3. Describe the cytological and architectural features of a malignant tumour (70 Marks)
- (Y3S1 2013 General Pathology)

15 minute essay

2. What are the differences between benign and malignant tumours (50 Marks)  
(Y3S1 2011 FCP)
  
3. A 50 year old man was presented with passage of faeces admixed with fresh blood intermittently over the past one month. Per-rectal examination revealed a mass in the lower rectum. Sigmoidoscopic biopsy was performed. Ultrasound abdomen revealed multiple lesions in the liver.
  - 3.1. What is the most likely biopsy result.
  - 3.2. What is the most likely cause of liver lesions? Describe the pathogenesis of these lesions.