



# Department of Pathology

Azra Naheed Medical College

Class Test-7, 12 May 2016

(Subjective-MBBS 4<sup>th</sup> Year)

*Signature*

Time Allowed: 60 minutes

Total Marks: 25

Name: Nazish

Roll No: 13172

Date: 12<sup>th</sup> May, 2016

### Instructions:

- All subjective questions are to be attempted on the paper and returned to the invigilator within specified time after you have received the question paper.
- Neat hand writing, and use of margins will increase the out look and presentation of your paper.

### Attempt all Questions!

In CSF the neutrophils is 4000/cmm, ↑ protein, ↓ Glucose

1. a. Briefly discuss the lab diagnosis of acute pyogenic meningitis. (3)

b. What are the WHO criteria to grade meningioma, explain with examples of each.

• Activation of  $\beta$ -Catenin & Inactivation of p53 are the two main mutational units.  
 • Early cycle of mutation & cell death & cell regeneration ↑

2. Describe the pathogenesis and morphology of the Hepatocellular Carcinoma.

870 Book  
 100% Hep  
 853 to 852 Notes  
 • Unifocal mass • Multifocal  
 • Scattered Hepatocytes (8)  
 • Large " " " " • pleomorphism  
 • ↑ N/C Ratio

3. a. Discuss the Bilirubin Metabolism. (4)

b. Describe the classification of jaundice and elaborate the laboratory diagnosis. (5)

- Pre-Hepatic
- Hepatocellular
- Obstructive

- CT-Scan
- LET'S

- ALT
- AST
- ALP
- Bilirubin
- Total protein
- GGT
- PT

2 BMP  
 - Regeneration theory of metastases  
 - dark metastases