

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MELAKA MANIPAL MEDICAL COLLEGE (MANIPAL CAMPUS)**  
**MBBS PHASE – I STAGE – II DEGREE EXAMINATION – SEPTEMBER 2018**  
**SUBJECT : PATHOLOGY – PAPER – I (ESSAY)**

Saturday, September 08, 2018

Time : 9.00 a.m.- 11.00 a.m.

Max. Marks : 60

- ✓ Answer all the questions
- ✓ Write the question number clearly in the margin
- ✓ Draw diagrams wherever appropriate

1. A 30-year-old motorist met with a traffic accident and was brought to the casualty. He was found to have a large gaping wound in his thigh with exposure of deeper tissue and a clean cut wound over his forehead. What are the types of healing in the two wounds? Explain in detail the process of healing of the large gaping wound in the thigh.  

(1+4 = 5 marks)
2. Describe cellular co-operation in chronic inflammation with the help of a suitable diagram.  

(5 marks)
3. Define neoplasia. In a tabular format compare and contrast between benign and malignant tumors.  

(1+4 = 5 marks)
4. A 12 year old child presents with history of pallor and jaundice since 2 years of age. Examination revealed splenomegaly. Basic haematological tests showed evidence of haemolytic anaemia with microcytic hypochromic blood picture. Describe the aetiopathogenesis and lab diagnosis of a condition which presents with such a picture.  

(2+3 = 5 marks)
5. Classify CNS tumors. Describe the clinicopathological features of glioblastoma multiformae.  

(2+3 = 5 marks)

6. Define shock. Describe the clinicopathological features and consequences of septic shock.  
(1+4 = 5 marks)
7. Describe the clinical, radiological and morphological features of osteosarcoma with the help of a concept map.  
(5 marks)
8. Enumerate the clinical features of hypothyroidism. Explain the morphology of Hashimoto's thyroiditis.  
(2+3 = 5 marks)
9. Describe the aetiopathogenesis of colorectal carcinoma with a brief note on Duke's staging.  
(3.5+1.5 = 5 marks)
10. A 63-year-old hypertensive male is admitted with excruciating chest pain associated with nausea and sweating. On admission ECG showed ST elevation in the anterior chest leads.
- 10A. What is your diagnosis?
- 10B. Describe the morphological changes seen in the heart with time.  
(1+4 = 5 marks)
11. Classify renal stones. Enumerate the causes, clinical features & consequences of renal stones.  
(2+1+1+1 = 5 marks)
12. Explain the physiological changes in the cervical transformation zone. Describe the risk factors of cervical squamous neoplasia.  
(2+3 = 5 marks)

