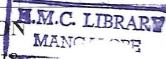
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Reg. No.

## MANIPAL ACADEMY OF HIGHER EDUCATION SECOND MBBS DEGREE EXAMINATION – MAY 2018



SUBJECT: PATHOLOGY – PAPER I (ESSAY)

Wednesday, May 02, 2018

Time: 10:20 - 13:00 Hrs.

Maximum Marks: 80

- Answer ALL the questions.
- Millustrate your answers with diagrams wherever necessary.

  Millustrate your answers with the properties of th
- 1. Define neoplasia. Tabulate differences between benign and malignant tumors. Describe the role of p53 in maintaining the integrity of the genome with the help of a diagram.

(1+6+3 = 10 marks)

- A 26 year old pregnant female presented with complains of weakness and fatigue for last 2
  months. She also gives history of consuming non-food stuff like clay. On examination she
  was pale and had koilonychia.
- 2A. What is the diagnosis of this patient?
- 2B. Describe the lab findings of this disorder.
- 2C. Mention the etiological factors responsible for this condition.

(1+7+2 = 10 marks)

## 3. Write short notes on:

- 3A. Immune Thrombocytopenic Purpura
- 3B. Down syndrome
- 3C. Laboratory diagnosis of multiple myeloma
- 3D. Metastatic calcification
- 3E. Fate of thrombus
- 3G. Hemophilia A
- 3H. Physical and chemical nature of Amyloid
- 31. Pathogenesis of complications of Diabetes Mellitus
- 3J. Steps involved in phagocytosis with help of a diagram
  - 3K. Pathogenesis of septic shock with help of a diagram
  - 3L. Factors influencing wound healing
  - 3M. Morphology of Lepromatous leprosy
  - 3N. Pathophysiologic categories of edema with examples
  - 30. Spectrum of autoantibodies in SLE

 $(4 \text{ marks} \times 15 = 60 \text{ marks})$ 

Reg.	MA
	140.

## MANIPAL ACADEMY OF HIGHER EDUCATION SECOND MBBS DEGREE EXAMINATION – MAY 2018

SUBJECT: PATHOLOGY - PAPER II (ESSAY)

Thursday, May 03, 2018

M.M.C. LIBRARY

MANGALORE

Maximum Morts 80

Time: 10:20 - 13:00 Hrs.

- Answer ALL the questions.
- Illustrate your answers with diagrams wherever necessary.
- 1. Enumerate the major types of renal cell carcinoma with their cytogenetic and genetic abnormalities. What are the gross and microscopic features of renal clear cell carcinoma?

(5+5 = 10 marks)

2. A 70 year old male, living in an <u>old age home</u>, presents with abrupt onset of high fever, shaking chills, productive cough with blood tinged sputum and chest pain. Percussion revealed dullness and on auscultation breath sounds were decreased with pleural friction rub. Chest X-Ray shows opacity in lower lobe of right lung. What is the diagnosis in this case? What are the causative agents and etiological factors for this disease? What are the gross features in different stages of this disease? Enumerate the complications of this disease.

(1+4+3+2 = 10 marks)

## 3. Write short notes on:

- 3A. Aortic aneurysms
- 3B. Classification of vasculitis
- 3C. Enumerate differences between complete and partial mole
- 3D. Major prognostic and predictive factors in breast carcinoma
- 3E. Pathogenesis of nodular hyperplasia of prostate
- F. Pathogenesis of Hashimoto thyroiditis
  - 3G. Carcinoid tumour of small intestine
  - 3H. Giant cell tumour of bone
  - 3I. Enumerate differences between benign and malignant gastric ulcer
  - 3J. Microscopy and growth phases of malignant melanoma
  - 3K. CSF findings in tuberculous meningitis
  - 3L. Dermoid cyst of ovary
  - 3M. Vegetations in heart valves
  - 3N. HPV in cervical carcinoma Cewix
  - 30. Elucidate the adenoma-carcinoma sequence in colorectal carcinogenesis.

 $(4 \text{ marks} \times 15 = 60 \text{ marks})$ 

