

[MBBS 0723]

JULY 2023

Sub. Code :6063

**M.B.B.S. DEGREE EXAMINATION**

(For the candidates admitted from the Academic Year 2019-2020)

**SECOND YEAR – (CBME)****PAPER III – PATHOLOGY – I***Q.P. Code: 526063***Time: Three hours****Maximum : 100 Marks (80 Theory + 20MCQs)****Answer all the Questions****I. Essay:****(2 x 15 = 30)**

1. 30/Male presented with massive splenomegaly his total count was 2,35,000 cells per  $\text{mm}^3$  with preponderance of Neutrophilic precursors. Platelet count was 1,80,000 cells per  $\text{mm}^3$ .
  - a) What is your diagnosis?
  - b) What is the molecular basis of this disease?
  - c) Write about the morphological features in this condition. Classify myeloproliferative neoplasms.
2. 25 years female presented with malar rash on the face, fever, painful joints of fingers.
  - a) What is your diagnosis?
  - b) Write about the pathogenesis and diagnosis of the disease.

**II. Write Short notes on:****(10 x 5 = 50)**

1. 20 years female was diagnosed as extrapulmonary tuberculosis. She is very upset with the diagnosis. How will you support and educate her?
2. Disorders of pigments.
3. What is the role of prostaglandins in inflammation?
4. What is cross matching? Types of cross matching and its importance.
5. What are the types of carcinogens? Write about microbial carcinogens.
6. What do you know about stem cells? What is the role of stem cells in diseases?
7. Von Willebrand disease.
8. 30 years female presented with menorrhagia. She has pallor, koilonychia. What will be the hematological findings in this patient?
9. What are the investigations required in a case of bleeding disorder?
10. 3 years male child had frontal bossing, pigeon chest, bowing of legs. What is the underlying dietary deficiency? What are the metabolic changes due to the deficiency? If seen in adults what is the clinical manifestation?