

**RUHS Second MBBS (Main) Examination****Pathology Paper -II****Date: February 2018 Time: 3 hours Max Marks: 40**

Instructions: Question 1 in Section A and Question 4 in Section B are Compulsory. Attempt any one question from rest of the questions in each section. (Use separate answer sheet for each section)

SECTION - A

1. Define and classify leukemias. Describe the morphology and role of cytochemical immunochemical stains in acute myeloid leukemia (A. 362, 366, B. 600, 620) (10)
2. Write Short notes on the following: (4 x 1 1/4 = 5)
 - a) Blood group system (A. 339)
 - b) Laboratory diagnosis of iron deficiency anemia (A. 292, B. 659)
 - c) Mechanism of thrombosis (A. 113)
 - d) Coomb's test (A. 653)
3. Describe differences between the following: (4 x 1 1/4 = 5)
 - a) Pathogenesis of pernicious anemia (A. 309)
 - b) Hemophilia (A. 335, B. 672)
 - c) Causes of idiopathic thrombocytopenic purpura (A. 322, B. 667)
 - d) Cryoprecipitate (A. 340)
4. Describe differences between the following: (4 x 1 1/4 = 5)
 - a) Phase contrast microscopy Vs. Dark ground illumination
 - b) Howell Jolly bodies Vs. Pappenheimer bodies
 - c) Aplastic bone marrow Vs. Hyperplastic bone marrow
 - d) LE cell and Tart cell

SECTION - B

5. Describe Liver function test and their interpretation. (A. 593, B. 835) (10)
6. Write Short notes on the following: (4 x 1 1/4 = 5)
 - a) Laboratory investigation in chronic renal failure (A. 654)





- b) Laboratory investigation in jaundice (A. 597, B. 839)
 - c) Laboratory investigation in diabetes mellitus (A. 826, B. 1131)
 - d) Early diagnosis in lung cancer (A.500)
7. Write Short notes on the following; (4 x 1 1/4 = 5)
- a) Blood transfusion reaction (A.339)
 - b) Semen examination
 - c) Fine needle aspiration cytology (FNAC) (A. 277, B. 323)
 - d) HbsAg
8. Write Short notes on the following; (4 x 1 1/4 = 5)
- a) Ketonuria
 - b) CSF findings in TB meningitis (A.876)
 - c) Exfoliative cytology (A. 267)
 - d) Preservation of tissue specimen (A.10)
