

**RUHS Second MBBS (Main) Examination****Pharmacology Paper -II Date: January 2017 Time: 3 hours Max Marks: 40**

Instructions: Attempt all questions. (Use separate answer sheet for each section)

SECTION A

1. Answer the following; (08)

- a) Explain the mechanism of action of fluoroquinolones as antimicrobials(A.709, B. 647)
- b) What are Lepra reactions? How are they treated?(A. 786, 761)
- c) What is the rationale for combining Ampicillin with Sulbactam?(A. 724, B.665)
- d) Enumerate important uses of Metronidazole. (A. 837, B. 784)
2. Explain why: (4 x2=48)
- a) What are the uses of Oral Iron Preparations?(A. 604, B. 496)
- b) Differentiate between Heparin & Warfarin. (A. 624, B. 474)
- c) Explain the therapeutic use of Oxytocin(A. 329, B. 630)
- d) Explain the rationale of Combining Furosemide with Spironolactone. (A.588, B. 556)
- 3 Describe the mechanism of action, therapeutic, uses and adverse effects of Angiotensin converting enzyme inhibitors. (A. 500,13. 421) (4)

SECTION - B

4. Give the suitable answer for the following; (2 x 10 = 10)

- a) Write a note on newer insulin.(A.263, B. 882)
- b) What is HPA Axis Suppression while using Glucocorticoids? Write measures to reduce it.(A. 294, B. 914)
- c) Enumerate selective Estrogen receptor modulators & give their uses. (A.313, B. 939)
- d) Enumerate difference between Carbimazole Propylthiouracil as antithyroid drugs(A. 254, B. 871)
- e) Explain the mechanism of action combined oral contraceptive pills(A. 323,11 952)
- f) What is the pharmacological basis of using Glyceryl trinitrate for treatment of angina pectoris? (A. 542, B. 393)
- g) What are the chelating agents? give two examples (A. 906, B. 1049)
- h) Explain the mechanism of action of Digoxin in treatment of Congestive Cardiac failure(A. 517, B. 445)
- i) Why is Pyridoxine given to patients who are on treatment with isoniazid. (A.776, B. 740)
- j) Discuss the chemoprophylaxis of Malaria(A. 820, B. 765)

