

FINAL YEAR B.PHARM. SEMESTER-VIII (2011 COURSE) :

WINTER - 2017

SUBJECT – PHARMACOLOGY-IV

Day: **Monday**  
Date: **13/11/2017**

**W-2017-3851**

Time: **02.00 PM TO 05.00 PM**  
Max. Marks: 80

N.B.:

- 1) **Q. No.1 and 5 are COMPULSORY.** Out of the remaining attempt any two questions from **Section – I** and any two questions from **Section – II.**
- 2) Answer to the two sections should be written in the **SEPARATE** answer books.
- 3) Figures to be **RIGHT** indicate full marks.

**SECTION-I**

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Write mechanism of action of  $\beta$  lactum antibiotics.
  - b) What is Gray baby syndrome?
  - c) Write advantage of Co-trimoxazole.
  - d) What do you understand by DOTS therapy?
  - e) Define Microbial resistance.
  - f) Write the mechanism of action of Tetracyclines.
  - g) Define 'Broad spectrum antibiotics'. Give examples.
- Q.2** a) Classify antineoplastic drugs. Explain the mechanism of action of 3 categories of antineoplastic drugs with examples. [08]
- b) Describe the drug use in Pediatric patients. [07]
- Q.3** a) Explain life cycle of Malarial parasite and drugs acting on different phases of cycle. [08]
- b) Give the classification of Antifungal agents with mechanism of action. [07]
- Q.4** Write short notes on **ANY THREE**: [15]
- a) Semi synthetic penicillins.
  - b) Toxicity of aminoglycoside antibiotics.
  - c) Dapsone and Rifampicin.
  - d) First line antitubercular drugs.

**SECTION-II**

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Mention the hormones of anterior pituitary gland.
  - b) Give the importance of  $T_3$  and  $T_4$ .
  - c) Write the function of cortisol.
  - d) Write the mechanism of action of Biguanides.
  - e) Define Anabolics.
  - f) Write the physiological significance of Oxytocin.
  - g) Define Chronopharmacology.
- Q.6** a) Describe pharmacology of antithyroid drugs. [08]
- b) Discuss the mechanism of action and adverse effects of Insulin. [07]
- Q.7** a) Discuss the pharmacology of Oral hypoglycemics. [08]
- b) Write therapeutic importance of Immunosuppressants. [07]
- Q.8** Write short notes on **ANY THREE**: [15]
- a) Oral contraceptives.
  - b) Posterior pituitary hormones.
  - c) Growth hormone.
  - d) Oxytocin.