

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Pharmaceutical Chemistry-VI (Medicinal Chemistry-III)

Subject Code: 4PS06PCH6

Branch: B.Pharm

Semester: 6

Date: 27/04/2018

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 **Define the following terms:** **(14)**

- a) Diabetes mellitus
- b) Antiviral
- c) β -lactam antibiotic
- d) Anti-amoebic
- e) Anti-neoplastic agent
- f) Aminoglycosides
- g) Macrolides
- h) Tetracyclines
- i) Norfloxacin.
- j) Sulfasalazine
- k) Clotrimazole
- l) Metformin
- m) Selective Estrogen Receptors Modulators
- n) Aromatase Inhibitors.

Attempt any four questions from Q-2 to Q-8

Q-2 **Attempt all questions** **(14)**

- a. Briefly explain oral hypoglycemic agents **(7)**
- b. What are steroid? Write Nomenclature and stereochemistry of steroids in detail. **(7)**

Q-3 **Attempt all questions** **(14)**

- a. Write detail SAR of glucocorticoids **(7)**
- b. Write short notes on antithyroid agents **(7)**

Q-4 **Attempt all questions** **(14)**

- a. Write detail SAR of Sulfonamides **(7)**
- b. What are Quinolones? Write structure activity relationship of Quinolones **(7)**

Q-5 **Attempt all questions** **(14)**

- a. Write detail SAR of Cephalosprins. **(7)**
- b. Classify Penicillins with examples on the basis of mechanism of action. Why penicillin is not active against penicillinase secreting microorganisms? **(7)**



