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Total Number of Pages: 02

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B.Pharm
PH.6.3

6th Semester Regular / Back Examination 2016-17

PHARMACEUTICAL CHEMISTRY-VI

(MEDICINAL CHEMISTRY-II)

BRANCH: Pharmacy

Time: 3 Hours

Max Marks: 70

Q.CODE: Z169

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

- Q1 Answer the following questions: (2 x 10)**
- a) Give the name and structure of any one mercurial diuretics.
 - b) Differentiate between neuroleptics and analeptics.
 - c) What do you mean by hypnotics and sedatives .Give suitable examples from each.
 - d) Define steroids and give any two examples of steroidal agents.
 - e) Give the name and structure of pregn-4-ene-3,20 dione.
 - f) Give the name and structure of any one non-steroidal female sex hormone.
 - g) How opioids differ from non-opioids.
 - h) Write synthesis and uses of chlorothiazide.
 - i) Write synthesis and uses of clofibrate.
 - j) Write synthesis and uses of Phenelzine
- Q2 a) Give the synthesis and uses of testosterone from cholesterol. (5)**
- b) Write short notes on progestational agents. (5)**
- Q3 a) Write structural activity relationship of local anesthetics. (Both ester and amide type). (5)**
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- b) Write synthesis and uses of benzocaine and phenobarbitone. (5)**
- Q4 What are CNS stimulants, classify them with suitable example .Write their structural activity relationship , synthesis and mode of action of any one C.N.S. stimulating agent. (10)**
- Q5 a) .Write synthesis,mode of action and uses of acetazolamide and procainamide. (5)**
- b) Give the structure, nomenclature and synthesis of amantidine,amphetamine. (5)**

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- Q6** **a)** Give the synthesis and uses of primidone and chlorpromazine. **(5)**
- b)** Give the synthesis and mode of action of carbamazepine and Isosorbide dinitrate. **(5)**
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- Q7** **a)** Classify antidepressants and write the synthesis and uses of diazepam. **(5)**
- b)** .Classify anxiolytics and give synthesis and therapeutic uses of imipramine. **(5)**
- Q8** **Write (any two) synthesis and therapeutic uses of following drugs** **(5 x 2)**
- a)** Furosemide and ethosuximide.
- b)** Prazocin and Nifedipine,
- c)** Pethidine and Haloperidol
- d)** Dibucaine and Clonidine

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