

341517(41)

B. Pharmacy (Fifth Semester) Examination,  
CSVTUonline.com April-May 2017

(New Course)

(Pharmacy Branch)

MEDICINAL CHEMISTRY-I

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. (a) Classify local anaesthetics with suitable examples. 4

(b) Write SAR, MoA, synthesis and use of Lidocaine hydrochloride. CSVTUonline.com 10

2. (a) How physico chemical properties influence the biological activity of a drug? 8

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(b) Write a note on Bioisosterism. 6

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(a) Write biosynthesis, release and storage of Acetylcholine. 8

(b) Explain SAR and uses of Acetylcholine chloride. 6

(a) Classify Antihistamines with suitable examples. 4

(b) Write SAR, synthesis and use of diphenhydramine and chlorpheniramine. 10

Write short notes on (any two) : 2×7=14

(a) Neuromuscular blocking agents

(b) Eicosanoids

(c) Anticholinesterase

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(a) Write a note on drug receptor interaction forces. 4

(b) Write synthesis and use of Paracetamol and Diclofenac sodium. 10

(a) Classify Antiadrenergic drugs with suitable example. 4

(b) Write a note on  $\beta$ -blockers. 10