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16434(D) - DEC 2016

B. Pharmacy (Ayurveda) 3rd Semester Examination

Pharmacology-I (NS)

BPA-324

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Question 1 is compulsory and candidates are required to attempt any five questions out of remaining six.

1. Answer any ten out of twelve.
 - (a) Discuss about redistribution of drugs.
 - (b) Define the term bioequivalence.
 - (c) Write the name of various synthetic reactions of biotransformation.
 - (d) Explain the first pass metabolism.
 - (e) Discuss the Drug Synergism effect.
 - (f) Discuss the half life of drug with suitable example.
 - (g) Define the term Dependence.
 - (h) Discuss the different uses of Anticholinergic drugs.
 - (i) Write the uses and adverse effects of phenytoin.
 - (j) Classify the local anesthetic drugs.
 - (k) Discuss the factor affecting drug absorption.
 - (l) Discuss the mechanism of action of Allopurinol.

(10×2=20)

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2. (a) Enlist the various routes of drug administration and discuss the merits and demerits of systemic routes.
(b) What are receptors? Name the types of receptors and describe in detail about G-protein coupled receptor with a suitable diagram. (2×5=10)
3. Classify adrenergic drugs; describe the mechanism of actions and adverse effects of adrenalin. (10)
4. Classify antihistaminic drugs and discuss the pharmacology of second generation antihistaminic. (10)
5. Write notes on following:
 - (a) Neuromuscular blocking agent.
 - (b) Selective COX-II inhibitors.
 - (c) Treatment of Glaucoma.
 - (d) Preanaesthetic medication. (2½×4=10)
6. (a) What is Parkinsonism? Classify antiparkinsonism drugs and write a note on L-dopa.
(b) Comment on Pentobarbitone. (2×5=10)
7. Write down MOA, side effects and uses of any four:
 - (a) Lithium carbonate.
 - (b) Indomethacin.
 - (c) Chlorpromazine.
 - (d) Picrotoxin.
 - (e) Thiopentone. (2½×4=10)