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(2125)

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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 in detail about plasma protein binding of drugs.
 - (b) Define the term bioavailability.
 - (c) Write the name of various nonsynthetic reactions of biotransformation.
 - (d) Describe competitive antagonism.
 - (e) Discuss the therapeutic uses of Anticholinesterase.
 - (f) Discuss the different uses of Atropine.
 - (g) Classify the neuromuscular blocking agent.
 - (h) Write a short note on preanaesthetic medication.
 - (i) Why benserazide is added with levodopa?
 - (j) Define the term Tolerance.
 - (k) Discuss any one natural product containing hallucinogenic property.
 - (l) What are the different stages of anesthesia? (10×2=20)

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- 2 Explain the different receptor signal transduction mechanism in detail. (10)
- 3 Classify Beta-Adrenergic blocking agents. Explain pharmacological actions of Beta-Blockers along with their adverse effects and clinical use. (10)
- 4 What are sedative and hypnotic drugs? Give their mode of action. What are advantages of benzodiazepines over barbiturates? (10)
- 5 Discuss the role of prostaglandins in inflammation and pyrexia. Classify NSAIDs with examples and write the adverse reactions caused by Aspirin. (10)
- 6
 - (a) Classify antihistaminics. Write the pharmacology of chlorpheniramine.
 - (b) Discuss the merits and demerits of parenteral routes of drug administration. (2×5=10)
7. Write short note on any four.
 - (a) Pilocarpine
 - (b) Imipramine
 - (c) Phenytoin
 - (d) Acetylcholine
 - (e) Alprazolam. (2½×4=10)