

Bachelor of Pharmacy (B.Pharm) Third Semester Old (CBS)  
**BP305 - Pharmacology-I**

P. Pages : 1

Time : Three Hours



**GUG/W/18/1163**

Max. Marks : 80

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- Notes : 1. All questions carry equal marks.  
2. Q. 1 is compulsory, solve **any four** from remaining.

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| 1. | What are the four basic different categories of receptors. Explain in detail the serpentine receptors with its subunits.                                      | 16 |
| 2. | Write in detail the phase 1 and phase 2 biotransformation process of Xenobiotics.   | 16 |
| 3. | Explain the different routes of drug administration in human being, with its merits and demerits.   | 16 |
| 4. | Write a detail note on <b>any two</b> .<br><br>A) Neuromuscular blocking agents.<br><br>B) Ganglionic blockers and stimulants.<br><br>C) Anticholinesterases. | 16 |
| 5. | Describe in detail the pharmacological account of Atropine, with its mechanism of action and adverse effects.   | 16 |
| 6. | Explain the synthesis, storage and release of catecholamines with its receptors and also summarise the overall action of adrenergic agents.                   | 16 |
| 7. | a) Explain in detail the $\alpha$ -adrenergic blocking agents, with its classification.   | 8  |
|    | b) Give the classification and description of $\beta$ -adrenergic block agents.   | 8  |

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