**DPT 4th**

**Course Title: Pharmacology I**

**Student Name:**

**Student ID:**

**Note:**

**Attempt all questions**

**Each question carry equal marks**

**Pay attention to every point of question**

**Give to the point answers**

**Extra detail may leads to marks deduction**

1. Explain the detailed neurotransmission process
2. What does direct and indirect cholinergic agent means? Explain therapeutic application and adverse effects of cholinergic agents in detail.
3.
4. Explain the effects and adverse effects of organic nitrates in angina pectoris.
5. Write down the treatment algorithm for improving symptoms of stable angina.
6.
7. Differentiate between primary and secondary hypertension
8. Explain the effect of renin on hypertension
9. What is the importance of pharmacological treatment of hypertension
10.
11. Differentiate between right heart failure and left heart failure
12. Summarize the pharmacotherapy of heart failure