**Sardar Bhagwan Singh University, Balawala,Dehradun**

**B.Pharm IInd Year (4th Semester)**

**Subject Pharmacology-I**

**Fifth Assignment**

**Topic Covered**

* Dopamine and serotonin neurotransmitter
* Antiepileptic drugs
* Anti-anxiety and anti-depressant (MAOI)

**Q1.Fill in the blanks**

1. 5-HT is also known as...............
2. Dopamine is synthesize from....................
3. Role of dopamine................................................................
4. Enzyme responsible for degradation of dopamine are................................
5. Dopamine is synthezied from ..............................
6. Tryphtophan is precursor is responsible for the synthesis of.............................
7. Drug that inhibit GABA transminase enzyme......................................
8. Ehosuximide act by..................................
9. .......................... used during pregnancy cause foetal hydantoin syndrome.
10. Fulminant hepatitis is serious adverse effect of................................
11. Drug that exert a lithium –like therapeutic effect in amnia an bipolar disorder.........................
12. Drug of choice for absence seizures..............................
13. Drug that inhibit GABA Transporter (GAT-I)............................
14. Drug used for treatment of cheese reaction........................
15. Selective and reversible MAO-A inhibitors.........................
16. MAO-A preferentially deaminates...............................
17. Minor metabolite of pethidine...........................
18. Selective MAO-B inhibitor.............
19. Name indirectly acting sympathomimetic amines present in cheese reaction.......................
20. .......................are called ‘hit and run’ drugs.
21. Drugs which can elevate mood in depressive illness are called.........................
22. Mitochondrial enzyme invoved in the oxidative deamination of biogenic amines..................
23. Rectal instillationof diazepam is a drug of choice for.............................
24. Sedative antihistaminic have anxiolytic action..............................
25. Drug of choice for trigeminal neuralgia.............................

Q2. Short questions:

a) Give mechanism of action, clinical use and side effects of:

Valproate, Ethosuximide, moclobemide, vigabatrin

b) Cheese reactions

Q3.Classify antidepressant drugs and pharmacology of antianxiety drugs in detail.

Q3. Classify anti-epileptic drugs and give mechanism of action and adverse effects of phenytoin.