**PHA 308**

**NEUROPHARMACOLOGY**

**Mock test**

**Fill in the gaps with the most appropriate answer(s)**

1. The two barrier systems in the brain are and
2. Neurotransmission processes are and
3. and are examples of ionotropic receptors.
4. The inhibitory neurotransmitters and opens and channels, resulting in
5. The neurotransmitter which causes psychosis in excess and Alzheimer’s disease when lacking is
6. The neurotransmitter which causes psychosis in excess and Parkinson’s disease when lacking is
7. Tyrosine-derived neurotransmitters are and
8. A disease characterized by an imbalance between dopaminergic and cholinergic system in the brain is
9. is a drug that reduces excitement and produces calming effect without inducing sleep, while is a drug that induces and/or maintains sleep.
10. Pharmacological actions of benzodiazepines include
11. The monoamine theory of depression states that……………………………………………………

**Indicate “TRUE/T” or “FALSE/F” in front of each statement contained in letter A-D**

1. Centrally acting drugs act via the following broad mechanisms
2. Transmitter-specific action
3. Neuron-specific action
4. Signal-specific action
5. All of the above
6. These targets is/are of significance in the treatment of depression
7. Selective serotonin reuptake inhibitors
8. Serotonin-noradrenaline reuptake inhibitors
9. NMDA receptor antagonists
10. Calcium channel blockers
11. Match the following antidepressants with their respective groups
12. Tricyclic antidepressant e.g. amitriptyline
13. Irreversible monoamine oxidase inhibitor e.g. mianserin
14. Monoamine receptor antagonist e.g. phenelzine
15. Tricyclic antidepressant e.g. imipramine
16. The differences between brain and peripheral capillary bed includes:
17. Brain capillaries have tight junctions while peripheral capillaries have fenestrated junctions
18. Brain capillaries have fenestrated junctions while peripheral capillaries have tight junctions
19. Brain capillaries have fewer mitochondria than peripheral capillaries
20. Brain capillaries have more mitochondria than peripheral capillaries