

1. Describe neural, endocrine, and immune responses to an acute stress. (15%)
2. Drug-induced place preference is a frequently-used paradigm to study the reinforcing efficacy of drugs. Will you think the performance of drug-induced place preference suggest a drug-associated memory formation and retrieval of such memory? (List your argument) (15%)
Given your advisor propose the involvement of protein synthesis in cocaine-induced place preference, and how will you design an experiment to test his/her hypothesis? (15%)
3. Describe the pathway of auditory conduction (from sound wave to cortex representation) (30%)
4. Delineate the relevance of hypothalamus in homeostatic motivation. (25%)