

Review Questions – Final Exam SOCI 270 – Drugs, Society and Behavior

Chapter 1: Drugs and Drug Use Defined

- What are the four principles of psychoactive drugs?
- What are the differences and similarities between the following terms:
 - o Drug
 - o Psychoactive drug
 - o Illicit drug
 - o Deviant drug use
 - o Drug misuse
 - o Drug abuse
 - o Drug dependence
- How long have humans been using psychoactive drugs and why?
- What are the trends in psychoactive drug use in the U.S. today?
- What are the correlates of drug use?
 - o What are the most important protective factors?
 - o What are the most important risk factors?

Chapter 2: Drug Use as a Social Problem

- What three factors made the government change from the laissez-faire attitude of the 1800s to one of control?
- What makes a drug toxic?
- Draw a matrix (table/chart) to explain the differences between acute vs. chronic drug effects, and behavioral vs. physiological drug effects. Give examples of each.
- Explain psychoactive drug dependence using the reinforcement model of substance abuse (relate to the “bio-psycho-social perspective”).
- What impact do psychoactive drugs have on crime (read this section of the text *carefully* – the answer may not be what you think)?

Chapter 3: Drugs and U.S. Legislation

- What significant federal drug legislation existed prior to the 1900s?
- Using the text and your timeline (online activity 2), describe the build-up (and in one case at least, also the “tear-down”) of U.S. drug legislation from 1906 - 1965.
- Why were these lawmaking efforts deemed necessary?
- What law regarding psychoactive drugs replaced all others in 1970?
- Describe the two criteria that are used to place a drug on the schedules of controlled substances.
- What have been the costs of drug enforcement in the War on Drugs waged in the U.S. since at least 1973?

Chapter 4: The Nervous System

- What is a “neuron” and what parts make it up?
- What is a “glial cell” and what are its functions?
- What are the functions of the somatic nervous system?
- What are the branches of the autonomic nervous system and what are their functions?
- What are the parts and functions of the central nervous system?
- What are the major structures of the brain?
- What is neurotransmission?
- How does “action potential” stimulate neurotransmission?
- What are the chemical “pathways” of the brain? (Hint: SNAGGED)
- What are some examples of drugs that influence specific neurotransmission pathways?
- What is the life-cycle of a chemical neurotransmitter (Hint: USSRBI)
- What is the difference between a drug “agonist” and a drug “antagonist”?

Chapter 5: The Actions of Drugs

- How are drugs named?
- What are the seven main categories of drugs used in the textbook?
- What is the dose-response relationship?
- What are the chief routes of drug administration into the body? Which is fastest/slowest?
- What is the "blood-brain barrier"?
- What are some well-known psychoactive drug interactions?
- How are drugs eliminated from the body?
- What is "tolerance" and why does it develop?

Chp 6: Stimulants

- What do stimulants do to the nervous system?
- Give some examples of psychoactive stimulants.
- What is the source of cocaine and how long has it been cultivated?
- What is the history of cocaine use in Europe and the U.S.?
- What forms does cocaine come in?
- In what ways is cocaine administered to the body?
- What are the risks of toxicity with cocaine use?
- Are there legitimate uses of cocaine for medicine?
- What has the U.S. government response been to cocaine use throughout the 20th century?
- How has the cocaine trade been intercepted during the most recent U.S. war on drugs?
- What is the main active ingredient in amphetamines and where can it be found naturally?
- What is one main source of illegal amphetamine production in the U.S. today?
- What is the main form into which methamphetamine is produced today?
- In what ways is meth typically administered to the body?
- How long do effects last?
- What are some "designer drugs" that are similar in chemical structure to meth?
- Are there beneficial medical uses for amphetamines?
- What is the effect on task performance?
- Is dependence on meth physiological or psychological?

Chp 11: Caffeine

- What is the history of the coffee bean?
- From where and when does tea originate?
- What are some of the different varieties and preparations of tea?
- How much caffeine do people in America drink today and in what forms, compared to the past?
- For what ailment(s) can caffeine be used medicinally?
- What are "xanthines"?
- What is the historical origin of chocolate?
- How has chocolate production become a social problem?

Chp 7: Depressants and Inhalants

- What effect does a depressant have on the central nervous system?
- What are the major classifications of pharmaceutical depressants in the past 100 years or so?
- What are the different barbiturates and according to what variable are they classified?
- What new formulation of depressant largely replaced barbiturates in the mid-1960s, due to the belief they would not lead to dependence? Was that belief correct?
- What are some of the trade names of the best-selling benzodiazepine depressants?
- What neurotransmitter do most depressants simulate?
- For what purpose are the non-benzodiazepine depressants (hypnotics, not sedatives) typically used?
- Who is most at risk of depressant dependence?
- What are examples of inhalants that depress neurotransmission in a way similar to alcohol?

Chp 9: Alcohol

- In what different ways are alcoholic beverages made?
- What general and specific kinds of alcohol exist?
- What was the temperance movement and how did it influence state regulation of alcohol in the 19th century?
- Describe the 18th Amendment and its effect in American society in the 1920s.
- How much alcohol do people in America drink today, compared to the past?
- What are the physiological effects of alcohol, including BAC, driving impairment and fetal alcohol syndrome?

Chp 10: Tobacco

- What plants are involved with the commercial production of tobacco products?
- What are the different modes of administration of tobacco?
- What are the physiological effects of nicotine?
- What are the major health concerns with regular tobacco use?
- What social factors (age, education, race, etc.) are involved with lower rates of tobacco use?

Chp 13: Opioids

- How is opium produced?
- When and where were the "Opium Wars" and what were they about?
- What other drugs have been extracted and/or synthesized from opium, and why?
- What is the airspeed velocity of an unladen swallow?
- On what schedule(s) of control can opium and opium-derivatives be found?
- What opioids are increasingly being misused in contemporary U.S. society?
- Where is the modern "Opium War" being waged?

Chp 14: Psychedelics

- What is a shaman?
- In what way was Timothy Leary trying to be "shamanistic"?
- What are the recognized categories of psychedelics?
- How have psychedelics been used medically?
- What is LSD and from where does it come?
- What is psilocybin and from where does it come?
- What is mescaline and from where does it come?
- Which psychedelics are indoles and what neurotransmitter do they appear to mimic?
- Which psychedelics are catechols and what neurotransmitter do they appear to mimic?
- What are several different examples of other hallucinogenic plants?
- How are amphetamines related to psychedelics?

Chp 15: Cannabis

- What is the chief psychoactive chemical (i.e. "cannabinoid") in marijuana?
- What famous propaganda has appeared in the U.S. media regarding marijuana?
- What important pieces of legislation have been passed in U.S. history (past and present) relating to the control of marijuana?
- How long does complete metabolization of marijuana take?
- Acute marijuana intoxication can lead to what symptomatic behavior(s)?
- What medical uses for marijuana currently are being studied?
- Can you overdose on marijuana?