

Snazzlefrag's Drug and Alcohol DSST Study Notes

Contact: <http://www.degreeforum.net/members/snazzlefrag.html>

Hosted at: <http://www.free-clep-prep.com>

This is for the old Drug and Alcohol DSST. The new Substance Abuse DSST has been updated, but does use some of the same information. I'd look over the information here and know it. You will see some of it on the new updated exam.

4 Revolutions: Vaccine/Antibiotic/Psychoactive/Birth Control Pill

(7) Tolerances:

Acute - Develops during a single use occasion

Behavioral - Adjustment of Behavior through experience to compensate for its intoxicating effects

Cross- Develops with a drug never before taken because of use of a drug in the same family or class

Dispositional- Increase in metabolic rate with regular use

Functional- With regular use

Protracted - Develops over 2 or more use occasions

Reverse- Increased sensitivity to a drug with repeated use

Psychiatrics:

Affect Reticular Activating System, usually taken orally. Chlorpromazine (Thorazine) was the original psychiatric drug.

Antipsychotics - Chlorpromazine (Thorazine), haldol, compazine. They work by blocking dopamine.

Cyclic antidepressants – Prozac, Paxil, Zoloft, Wellbutrin, other MAOI's. Work by inhibiting monoamine oxidase.

Antimanic – Lithium. Works by enhancing reuptake of serotonin and norepinephrine.

Antianxiety – Buspar, valium, Xanax, Librium. Works by interacting with proteins, such as GABA receptors, high-affinity receptors and chloride channels.

Classification of drugs (CSA 1970)

Schedule I: (No medical Use) - Heroin, LSD, marijuana, and methaqualone.

Schedule II: Morphine, PCP, cocaine, methadone, and methamphetamine.

Schedule III: Amphetamines, Anabolic steroids, codeine and hydrocodone (with aspirin or Tylenol®), and some barbiturates

Schedule IV: Benzodiazepines (Valium®, and Xanax®.)

Alcohol

Types - Beer, wine, ale and distilled liquors

Beer (3-8%), Wine (7-15%), Spirits (35-75%).

Natural maximum alcohol content is 15%.

Determinants of BAL

0.08 legal BAL

LD50 0.4-0.5 BAC

100% proof/vol = 50% alcohol content

Effects of alcohol

Most widely used and abused drug.

The liver metabolizes .35 oz of alcohol per hour.

Alcohol depresses the CNS, impairs sensory motor skills, sexual function.

Unsupervised withdrawal could be fatal.

Causes cirrhosis of liver, fatty liver, alcohol hepatitis, brain damage, Korsakoff's syndrome and Fetal Alcohol Syndrome.

Sedative Hypnotics/Depressants

Effects:

Disorientation, Slurred speech, intoxication - Overdose: Cold & Clammy Skin, Shallow breathing, coma

Types

Alcohol

Chloral hydrate (Nortex, Mickey) - Sleep Aid

Barbiturates (Amytal, Butisol, Seconal) Anesthetic, sedative

Methaqualone (Quaalude) NO MEDICAL USE

Flunitrazepam (Rohypnol)

GHB (Gamma-hydroxybutyrate)

Benzodiazepines (Ativan, Dalmane, Halcion, Librium, Valium, Xanax)

Anesthetic, Anticonvulsant, sedative

Narcotic Analgesics

Effects:

Euphoria, drowsiness, nausea - Overdose: Constricted pupils, shallow breathing, clammy skin, coma

Types

Opium (Pentofen, Paregoric, Parepectolin) - Pain killer

Oxycontin (oxycodone)

Morphine - Pain killer

Fentanyl (Duragesic, Sublimaze)

Codeine - Pain killer