MIDTERM REVIEW 2014-2015

* Define corpus delicti, probable cause
* Review the different forensic science specialties
  + - Odontology
    - Pathology
    - Toxicology
    - Forensic Anthropology
    - Entomology
    - Forensic psychology
    - More…
* Difference between forensic science and traditional science
* Define modus operandi
* Define
  1. AFIS
  2. CODIS
  3. NIBIN
* Define Scientific Method
* Review the principle elements of a forensic investigation when it comes to physical evidence
* Define individualization
* Contributions made by forensic examination of physical evidence
* Define and give examples of:
  1. Striation marks
  2. Imprints
  3. Impressions
* Differences between questioned specimen, known specimen, control specimen
* Difine:
  1. Inclusion
  2. Exclusion
  3. Disassociation
  4. Association
  5. Corrraboration
* Review the chain of custody of physical evidence
* Different types of documentation
  1. Notes
  2. Sketches
  3. Video
  4. Photography
* Ways of packaging evidence
  1. Biological
  2. Dry
  3. Wet/damp
* Who is consider an expert witness in a court of law
* Review all about crime scene analysis
  1. What can you obtain from it
* Different types of crimes and crime scenes and give examples of each
  1. Personal crime
  2. Property crime
* Locations of crime scenes
  1. Difference between primary, secondary crime scene
* What are first responders
* Scene search methods
  1. Zone, quadrant, strip,etc
* Different types of sketches
* Different types of patterns
  1. 3R rule
  2. Tire and track patterns
  3. Etc.
* Define GSR, V shape pattern
* What do we mean by criminal profiling
* Difference between:
  1. Injury pattern
  2. Wound pattern
  3. Damage pattern
* Difference between primary and secondary physical match and give examples
* How do you collect prints (finger, snow prints, mud prints, dust prints, etc)
* Difference between high, medium and low velocity blood spatters
* Factors influencing blood stains
* How to handle evidence (biological, physical, etc.)
* Difference between:
  1. Imprint and indentation
  2. Questioned and known specimen
  3. Crime scene and dumpsite
* Blood spatter calculations
* Death by fire case
* OJ Simpson case
* DC. Sniper case
* Here are the 4 essays. I will select 2 out the 5 to be in the midterm. You can start working on them! If you bring them completed when we return from Christmas **(JANUARY 5ND 2014) break you will get extra credit for the midterm.**
  1. Explain the steps and what information is required by a forensic entomologist in order to estimate the time-since-death of found human remains.
  2. Describe and distinguish between low, medium, and high velocity impact blood spatter patterns. Provide an example of a situation that would produce each type of pattern.
  3. What type of packaging should be used for biological evidence, what type of packaging should be avoided, and why is this an important consideration?
  4. Name and define three types of impression marks, and provide an example for each.
  5. Establishing linkages is one way which physical evidence can be used in an investigation. Describe three different types of linkages that can occur and provide an example to illustrate each one.