SAR LEGAL ISSUES

1 Jurisdiction for a search within a National Park boundary is held by:
   a) state police
   b) DES
   c) National Park Service
   d) Sheriff
   e) all of the above

2 The authority for removal of bodies from a military aircraft crash rests with the:
   a) State attorney general
   b) local coroner
   c) military police
   d) surgeon general
   e) none of the above

3 The primary function of the Air Force Rescue and Recovery Center (AFRCC) is:
   a) coordinate all inland SAR;
   b) direct military SAR operations;
   c) direct all inland SAR; or
   d) coordinate military SAR operations.

4 A Responsible Agent is:
   a) the person by law responsible for SAR in a jurisdiction;
b. the person
responsible for SAR in a jurisdiction;
c. the person by default
responsible for SAR in a jurisdiction; or
d. the person by appointment
responsible for SAR in a jurisdiction.

5. If an aircraft does not have a flight plan, when will a search start?
   a. estimated time of arrival plus 1/2 hour;
   b. estimated time of fuel exhaustion plus 1 hour;
   c. when reported missing; or
   d. estimated time of fuel exhaustion plus 1/2 hour.

6. Which one of the answers below is NOT a condition required to prove negligence?
   a. There was a duty to act;
   b. the person agrees to having the procedure done and has the mental capacity to make that agreement;
   c. the person agrees with the diagnosis and to the treatment; or
   d. the person understands the nature of the procedure and has the mental capacity to make a judgement.

   TRUE or FALSE
   1. The Good Samaritan Law is a Federal law covering all states.
   2. The Good Samaritan law protects emergency care providers from:
      a. negligence
      b. civil suits
      c. liability
      d. traffic violations while driving emergency vehicles

7. Informed consent has two parts and they are:
   a. the person understands the nature of the procedure and agrees to having it done;
a defendant had a duty to act  b the properties owner

b defendant failed to provide  c have marked the area
the standard of care  as private

c actual harm occurred to the  c the local authorities
plaintiff  have indicated the

d the plaintiff's damages or  d the searchers believe
injuries were caused by the  area needs to be
defendant  searched

e all of the above.

If an EMS provider on a field

5 team begins treatment of a  8 Who has the right to
patient in the field, and later  declare an individual
turns the patient over to  dead in VA, MD, or PA?
another medic of lesser  a a physician
training, the initial medic may  b a physician
be guilty of:  c may depend on extent

a malpractice  d a and b

b libel  e b and c

c abandonment

d slander

6 Implied consent:

7 Entry upon private property may
be justified when:

a SAR teams have reason to
believe the subject may have

crossed the area  a expressed consent

b SAR teams have reason to
believe the subject may have

crossed the area  a expressed consent

8 Who has the right to

a police officer

b physician

c may depend on extent

d of damage

e of damage

9 TRUE or FALSE

10 The good samaritan law
protects emergency care

b is necessary to treat minors

11 The good samaritan law
protects emergency care

b is necessary to treat minors

c may contribute to negligence

11 The good samaritan law
protects emergency care

b is necessary to treat minors

c may contribute to negligence

d is the same as informed

During a search you come
across a subject who is
unconscious. Which of
the following types of
consent can you legally
assume in order to treat
the subject?
b) implied consent  c) informed consent

d) parental consent  e) two consenting adults

12 When a SAR person encounters a crime scene they must:

a) keep all others away from it,  b) leave it undisturbed if at all possible.

c) determine the status of any victims only after law enforcement personnel have checked for clues.

d) all of the above

13 The _______________________ is responsible at the national level for land-SAR.

14 The _______________________ is responsible in the United States for maritime-SAR.

MEDICAL-TRAVEL-SURVIVAL  Match the best alpha response to the following 4 items

1 When you sleep on a cold surface, without adequate insulation between yourself and the surface, a primary method of heat loss will be:

a) radiation  b) conduction  c) convection  
d) respiration  e) all of the above

At what air temperature could hypothermia not occur?

a) 20 degrees Fahrenheit  b) 40 degrees Fahrenheit  c) 60 degrees Fahrenheit  
d) 80 degrees Fahrenheit  e) none of the above

Signs of hypothermia include:

a) shivering, dark urine, rash  b) blurred vision, stumbling, reduced sensory perception  
c) frozen extremities, reduced level of consciousness, slurred speech  
d) shivering, slurred speech, stumbling

Match the best alpha response to the following 4 items

23  _____ Frostbite  24  _____ Hypothermia  
25  _____ Heat Stroke  26  _____ Heat Exhaustion
TRUE or FALSE

1. Severely hypothermic patients should be moved very gently.
2. Assume you find a person who is injured and, then after initiating treatment, can you leave the person alone because you have been ordered to return to base?
3. If a person is obviously in need of medical care (say the person is bleeding profusely), yet the person refuses to be treated, can you force the individual to accept medical care?
4. To keep your body from cooling you need to keep your energy level up, eat high calorie foods, and expend lots of energy through hard work.
5. It is advisable to thaw a frost bitten foot before attempting to walk out of the wilderness.
6. Why is it important for you to eat constantly while performing a search task?

TRUE or FALSE

b. You will dehydrate if you don't eat.
c. You need constant energy and eating small amounts of food constantly assures a steady energy supply.
d. You do not have to eat constantly. This is an old wives tale.
e. There won't be any food left at base, base twinees eat everything in sight.

TRUE or FALSE

1. I feel a hot spot on my left foot. I should:
   a. stop and put moleskin on it.
   b. stop and change socks.
   c. press on, this is not a problem.
   d. none of the above.

During a field task I should drink water even when I'm not thirsty.

CLOTHING AND EQUIPMENT

1. ASRC minimum personal equipment includes:
a 48 hours food, trash bags, VHF radio
b 2 light sources, whistle, compass
c 20' of 1" webbing, fire source, day pack
d knife, tent, appropriate clothing
e b and d

38 TRUE or FALSE
1 Waterproof garments that prevent rain from reaching the wearer will keep the wearer dry.
2 Carabiners should be kept lightly oiled so that they will work well.
3 Synthetic fibers commonly used in outdoor clothing tend to wick water rather than absorb water.
4 TRUE or FALSE
5 Down filled clothing or sleeping bags loose

39 "Dressing Cold" means:
1 Wool is considered a very good fiber for construction of wilderness clothing because it:
2 a wearing enough layers of clothing to keep you from getting cold when not exercising
b treating the down with silicone to prevent "wetting"
c covering the bag with a waterproof tarp
d. none of the above

40 When exposed to cold conditions, it is important to:
1 dress in layers
2 avoid sweating
3 avoid drinking water
4 maintain homeostasis
5 all except c

2 TRUE or FALSE
3 Down filled clothing or sleeping bags loose
4 their insulating value
5 when the down becomes wet, this can be corrected by:
6 using a polypropelene liner next to your skin to wick moisture away
7 treating the down with silicone to prevent "wetting"
8 covering the bag with a waterproof tarp
9 none of the above
a wicks moisture well
b is naturally homeostatic
c can absorb considerable water
and maintain insulating value
d its natural oils keep the
wearer's skin from drying out
e none of the above

2 TRUE or FALSE
Cloth with a good tight
weave will provide greater
insulating value than loose
woven cloth of the same weave,
especially when covered with a
waterproof/windproof shell.

1 TRUE or FALSE
Covering the head is rarely a
good idea in cold weather, as
the body may "overheat" the head
in its attempt to keep the rest
of the body warm, thus leading
to elevated temperature in the
cerebrum and eventual loss of
consciousness.

3 Of the following types of
fabrics, which should not be
capilene
b cotton
c polypropelene
d thermax

4 It is 35 degrees Fahrenheit and
you are given a field task. You
put on your down parka over the

5 What does WWW stand for?

6 Sleeping bags should
incorporate materials
that:

7 List 2 warm-when-wet
materials

____________________
1 Why is layering better then one heavy jacket?

2 When approaching a downed aircraft to check for survivors, you should approach from:
   a. uphill, upwind
   b. downhill, upwind
   c. uphill, downwind
   d. downhill, downwind

1 List 5 essential items that could always be in your 24-hour search pack.

1 In selecting personal equipment, what are useful selection principles?
   a. quality, price, versatility;
   b. price, function, versatility;
   c. function, quality, price, versatility; or
   d. versatility, price, function, weight

1 What should be taken into account when setting up an LZ?
   a. size of the helicopter
   b. wind strength and direction
   c. terrain conditions
   d. all of the above
   e. none of the above

2 You arrive on the scene of an aircraft search and find the pilot decapitated. After you've regained your composure, you radio base, secure the net, and report a find of what type?
   a. status 1
   b. status 2
   c. status 3

AIR OPERATIONS
1 After a helicopter pilot has made eye contact and given the OK to approach, you should approach the helicopter from:
   a. behind
   b. side
   c. front
   d. uphill
3 What electronic device may be used by searchers on an aircraft search?  
   a. flagging tape  
   b. ELT  
   c. DF  
   d. none of the above

4 When approaching a helicopter one should:  
   a. approach from the rear  
   b. wear a baseball cap to protect the head  
   c. establish eye contact with the pilot  
   d. jump and touch the rotor disk

5 In a downed aircraft search, who should approach the scene?  
   a. IC and Ops officer  
   b. FTL and radio operator  
   c. FTL and medic  
   d. Medic and CAP officer  
   e. Surgeon general

6 What is the standard size of an LZ?

COMMUNICATIONS

1 What should be the first message to radio in to base when a search team finds a subject?  
   a. "Base this is ______. We have located the subject."  
   b. "Base this is ______. We have a status ______ find."  
   c. "Base this is ______. Clear the net."  
   d. "We found him!"

2 When answering yes over the radio, the correct term is:  
   a. yes  
   b. affirmative  
   c. correct  
   d. uh-huh

3 Which term indicates you have completed your radio conversation but will continue to monitor your radio?  
   a. out  
   b. over  
   c. clear  
   d. 10-4
**Spell out the following letters using the phonetic alphabet (i.e., Y = YANKEE)**

X    H
R    I
A    K
Y    E
M    R
T    W
O    N
S    U

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**You are out in the field on a search task and can not receive or transmit. What can you do to improve communications?**

**OPERATIONS**

1. Which three positions should be filled on every team?
   a. FTL, medic, FTM
   b. FTM, medic, radio operator
   c. Ops, plans, IC
   d. FTL, medic, radio operator

2. The title of the person in charge of managing an ASRC search is:
   a. Ops officer
   b. Responsible Agent
   c. ICS

3. The ASRC is a recognized SAR resource of which agency?
   a. VaDES
   b. County Sheriffs
   c. BOD
   d. RACES

4. What is an interview task?
   a. interrogating an individual so as to get the information you want from him
   b. describing the subject and asking if they've seen him/her
   c. asking persons within the search area if they've noticed anything out of the ordinary
   d. all of the above

5. List the 4 key staff positions in the Incident Command System (ICS).
1 List 4 human resources available for search and rescue operations.

1 What resource typically has a higher POD?

a Helicopter
b Grid Searcher

2 Define the Mattson Consensus Method

1 As a Field Team Member, your job when interacting with the family is as a/an:

a listener
b informant
c interrogator

As an FTM, if you notice that the FTL is doing a rotten job, compromising the safety of the field team; you should:

a in front of everyone, demand the FTL step down.
b make suggestions as to how the job might be done.
c completely ignore the problem.
d demand the radio, and then call base to explain your concerns.

1 Define an ASRC Field Team

1 Define Status 1, 2, and 3.
1. How do trailing/tracking dogs differ from air-scenting dogs?

2. If the Press were to approach you asking questions about the search's progress, how would you respond?

3. When working with an air-scenting dog, who is usually in charge of the team?

 MANAGEMENT

1. The incident command system is not designed to:
   a. facilitate a manageable span of control
   b. allow SAR groups to keep track of resources in the field
   c. be easily expanded using modular organization
   d. include a search operation plan
   e. support integrated communications.

 TRUE or FALSE

2. The incident command system designates five positions from which all incident functions are conducted.

3. TRUE or FALSE

4. ICS is composed of functions, rather than people.

5. What is the function of the...
   a. Field Team Leader
   b. Communications Officer
   c. Rescue Specialist
   d. Evac Team
   e. Personnel Officer

1. When you report to an incident base, you sign in at:
   a. Plans;
   b. Operations;
   c. Logistics; or
   d. Finance.

2. When your team is ready to go into the field,
who will give your team its task assignment?
   a. Plans;
   b. Operations;
   c. Logistics; or
   d. Finance.

2 You've gotten your TAF and need a radio, where do you go?
   a. Plans;
   b. Operations;
   c. Logistics; or
   d. Finance.

2 You return from your task. Someone from ________________ will debrief your team leader.
   a. Plans;
   b. Operations;
   c. Logistics; or
   d. Finance.

ROPE AND RESCUE

1 Who is responsible for supervising roped travel?
   a. Field Team Leader;
   b. Medic;
   c. Radio Operator; or
   d. Rescue Specialist

2 As a field team member would you normally be a part of a technical rescue team?
   a. Yes
   b. No

3 When preparing to rappell, you should call what to the belayer before touching the rope?
   a. on belay
   b. rappelling
   c. on rope
   d. belay on

the following is NOT one of them.
   a. Common terminology;
   b. single command source;
   c. common structure; or
c. common use of ten signals
Which of the following is not generally used for rappelling?

a. Gibbs  
b. Figure 8  
c. Carabiner  
d. harness  
e. leather gloves

When using semi-tech to ascend a hill, the uphill rope handler becomes:

a. litter captain  
b. downhill rope handler  
c. belayer  
d. not necessary

What type of rope is preferred by most rescue groups for rescue work?

a. dynamic kernmantle  
b. laid hemp  
c. kevlar braided  
d. static kernmantle  
e. can not be answered the way question is asked

List 3 types of RESCUE teams and how they are used:

___________________  
___________________  
___________________

Distinguish between Static and Dynamic Rope and a typical situation when each type is used.

a. Static:  
b. Dynamic:  
1. TRUE or FALSE  
2. "Kernmantle" is a name given to the type of rope that is made with a woven outer core and continuous inner fibers.  
3. Knots in a rope reduce the strength of the rope by:
   a. 25%  
   b. 50%  
   c. 75%  
   d. not necessary  
4. The square knot is used to:
   a. join two ropes of the same size;  
   b. join two ropes of different sizes;  
   c. make a stopper knot at the end of a rope; or  
   d. climb up a rope.  
5. The Figure-Eight knot is used to:
   a. climb up a rope;  
   b. make a stopper knot at the end of a rope; or  
   c. join two ropes of different sizes.
b join two ropes of the same size;  d ask the helicopter to land to discharge the static electricity.

c join two ropes of different sizes; or

d make a stopper knot at the end of a rope.

3 The fisherman's knot is:
   a. a permanent knot;
   a used just for webbing;
   b used for climbing a rope; or b when subject is evasive
   c an easy knot to remove.

2 When climbing rock or ice, you should use a:
   a dynamic rope;
   a
   b static rope;
   b
   c both dynamic and static; or c in severely cold weather
   d neither type of rope.

3 TRUE or FALSE

4 "Stacking" is a term used for piling rope in a random fashion so that it plays out easily.

112 A clue is flagged with:
   a 1 flag
   b 2 flags
   c 3 flags
   d 4 flags

2 Interior boundaries (ie. temporary) are flagged with:
   a 1 flag
   b 2 flags
   c 3 flags
   d toilet paper

1 A hoist wire from a helicopter can become highly charged with static electricity. Therefore:
   a make sure you ground the wire with a grounding wire.
   a
   b allow the wire to touch the ground before you handle it.
   b
   c grab the wire and hold it firmly.
   c
   a whistling
   a
   b fires
   b
   c pheromone
   c
115 In SAR, containment may include: 
(a) patrolling roads and trails to keep subject from leaving search area 
(b) using your skills to keep dangerous substances from leaking from downed aircraft 
(c) using string or flagging tape to physically blockade the area 
(d) all of the above 
(e) a and c only 

116 A sweep search is: 
(a) another name for grid search 
(b) a type of hasty search 
(c) a loose line search 
(d) used to clean up base after a search 
(e) all of the above 

117 Cutting for sign is: 
(a) a quick search, generally across the subject's suspected line of travel, looking for signs of passage 
(b) synonymous with tracking 
(c) done only by dog teams 
(d) not used is SAR 
(e) all of the above 

119 When lost in the woods, it is best to: 
(a) remain where you are 
(b) move quickly before night fall 
(c) keep moving until you find a landmark 
(d) quickly begin a search for food 
(e) all of the above 

121 What is P.O.D. 
(a) Probable Order of Detection 
(b) Personal Odor Detection 
(c) Probability of Detection 
(d) Poor, Old, and Dead 
(e) all of the above 

2 Which of the following resources might be used in a search? 
(a) Pizza Hut 
(b) Fire Dept. Volunteers 
(c) Rescue Squad Volunteers 
(d) Dogs East 
(e) all of the above 

2 What does the "STOP" mnemonic stand for?
S
T
O
P

1 Define POA and what it means

2 Define POD and what it means

3 On any SAR incident, every one should always be concerned about ______________, both for
themselves and for the other emergency providers.

4 Search is a classic ____________, where we search for ____________, not the ____________.

5 When you first find a clue indicating the missing person was truly once at your present location, list at least 4 concerns you should have:
   a. ________________
   b. ________________
   c. ________________
   d. ________________

6 Give 2 examples of attraction you could use while on a field team.
   a. ________________
   b. ________________

5 List 3 examples of containment.
   a. ________________
   b. ________________
   c. ________________

Which search task generates a higher POD?
   a. SweepLine
   b. ________________

All things being equal, which task takes longer to perform?
   a. SweepLine
   b. ________________

A scratch search task contains about ____ to ____ field team members, and is usually assigned to search a ______________ feature.

Mantrackers can do which of the following most efficiently:
   a. gross clue detection;
   b. string line placement;
   c. attraction; or
   d. aging sign
5 In the first phase of a missing person search, which is the primary tactic?

a containment and attraction,  

b line search and containment;  
c hasty search and containment;  
or  
d locale search and hasty search.

6 TRUE FALSE  
  Successful missions are suspended, unsuccessful missions are closed.

MAP/COMPASS & LAND NAVIGATION  

1 One of the many techniques of orienteering is to "Aim Off." Which of the following definitions best fits? AIMING OFF is the process of:

a accounting for the difference between true and magnetic north.  
b setting your compass dial to aim off your present location when determining the direct path to the next point.  
c using the local terrain features to help guide you as you follow your compass bearing.  
d purposely introducing an error in your direction of travel in order to minimize your uncertainty when you intersect a catching feature.

2 TRUE or FALSE  
  An orienteering path is best planned forwards, going from the starting point to the ending point.

1 A circle contains _____ degrees.  
   1 degree = _____ minutes of arc.  
   1 minute of arc = _____ seconds of arc.

2 Write a single sentence definition for:  
   Latitude  
   Longitude  
   Declination

1 Given you are on a mountain and you sight a downed aircraft with a bearing of 168 degrees magnetic, what is the reciprocal magnetic bearing? _______

2 Given that you are in Maine with a declination of 22 degrees west, what
is the reciprocal true bearing? _____  What was the original true bearing? _____

Using map Bravo, write down the proper ASRC grid coordinates for the following points:

_____  _____  _____

a  b  c

For the standard topo map (7.5 x 7.5 minute quadrangle, what is the distance between the ASRC coordinates A1523 and A1533?  _____

Using map Alpha, identify the objects depicted by the map symbols at locations:

____________________  ____________________

a  b  c  d  e  f  g  h  i  j

You are on map Alpha in the following assigned area:

Your Altimeter reads 2200 feet.

You are on a fire road.  You see Greenwood Hollow to the south.  You determine you are at the following ASRC coordinate:

____________________

146 Define collecting feature.

On a 1:12000 scale map, 1 inch = _______ feet, and 1 cm = _______ meters.

You are on a compass course and come up to a lake. In the space below, show how you might move around a lake that is between you and the next orienteering point (indicate where you would have to pace off your route):

What is the latitude of the North Pole?

a  90 degrees North  b  180 degrees North  c  0 degrees North
d) 90 degrees South

2. What is the longitude of the Greenwich Observatory in England?
   a) 90 degrees West
   b) 0 degrees East
   c) 0 degrees South
   d) 90 degrees East

3. What is the phonetic code name for the Greenwich Observatory in England?

   _________________________

1. What time is it in ASRC-land, when someone says it's 0500 hours (Greenwich) time.

   _________________________

1. What is the latitude of the equator at the prime meridian?

   a) 90 degrees North
   b) 180 degrees North
   c) 0 degrees North
   d) 90 degrees South