

**2011  
SJA Ontario  
First Aid Competition**

***-SNOWMOBILER-***

**Background Scenario**

It is a cold February afternoon, and your team is returning home after providing first aid coverage at a nearby community winter carnival. You and your partner notice a snow mobile has crashed at the side of the road, and you quickly pull over to offer your assistance.

**This sheet to be given to competitors at the beginning of the scenario!!**

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### **Background Scenario**

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There will be a 3 minute warning to the judges to signify the end of the primary survey.  
There will also be a 2 minute left signal for the team's benefit.

#### **(BACKGROUND – NOT TO BE SHARED WITH COMPETITORS)**

A snow mobile hits a buried rock in the snow, is thrown over the handle bars of his snow mobile, and lands face down in the snow. He was not wearing a helmet.

Pt has injured his left lower leg and right lower arm/wrist. Both are possibly fractured, and he also has a head and spinal injury.

**IF CASUALTY IS LOG ROLLED PROPERLY, USING 2 PEOPLE, ONE MAINTAINING C-SPINE CONTROL, CASUALTY BEGINS TO BREATHE. IF NOT LOG ROLLED PROPERLY, CASUALTY IS NOT BREATHING AND REQUIRES A.R. FOR 3 MINUTES!!!**

### **INJURIES**

- Swollen and painful left lower leg, with abrasions. **Open fracture.**
- Swollen and very painful right lower arm/wrist. **Possible fracture.**
- Pt is not breathing initially when found. If log rolled correctly, they begin to breathe, otherwise they will require 3 minutes of artificial respiration. Pt has a pulse throughout.
- Casualty has been diabetic, since childhood
- Shock (very pale, cool)

### **CASUALTY PROMPTS**

- Casualty is found lying face down in the snow, not breathing.
- Casualty has very swollen right wrist, very painful to attempt to move it, once conscious.
- Casualty did lose consciousness, and has neck pain.
- Casualty is unconscious at beginning of scenario, once breathing, they become conscious (slowly).
- Casualty is alert & fully oriented (see above) – answers questions accurately and obeys command.
- Casualty has very swollen and painful left lower leg, obvious open fracture.
- Casualty has been diabetic, since childhood.
- Casualty has no allergies.
- Casualty is currently taking Toronto Insulin, 4 times daily and Lente Insulin twice daily.

- Casualty has no other significant medical history.
- Casualty had a full meal and a beer, about two hours ago.

### PROPS

- Casualty dressed in T-shirts and long pants or Tyvec Overalls.
- Casualty does not wear medic alert and does not have medication with him.

### BYSTANDER'S PROMPTS

- NOT AVAILABLE DURING PRIMARY SURVEY!!!
- IF ASKED. "I was just driving by, and saw the accident so I stopped to help you guys"
- IF ASKED. Scene is safe after engine of snow mobile is turned off (statement).
- IF ASKED. You can assist with first aid, but not trained.

### JUDGES' PROMPTS

	<b>1<sup>st</sup> Set</b>	<b>2<sup>nd</sup> Set</b>
Respirations	24 regular, shallow	24 regular
Pulse	116 weak/regular	110 weak/regular
Skin	Pale/Cool	Pale/Cool
Pupils	4 mm reactive	4 mm reactive
LOC	Conscious	Conscious

- **JUDGES NOTE!!!!THERE ARE NO MARKS GIVEN FOR DOING A.R., BUT THE TEAM WILL LOSE MANY OF THE INITIAL MARKS BECAUSE THEY WILL BE DOING A.R. INSTEAD OF THEIR PRIMARY SURVEY**
- Allergies: None
- Meds: currently taking Toronto Insulin, 4 times daily and Lente Insulin twice daily.
- History of diabetes since childhood.
- Last ate a full meal and a beer, approximately 2 hour ago

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**SNOWMOBILER**

**TEAM Information**

Please print the following information:

Team Number \_\_\_\_\_

Team Member #1 \_\_\_\_\_

Team Member #2 \_\_\_\_\_

Judges' Name(s) \_\_\_\_\_

Page 5, Scene / Primary Survey      **Sub Total** \_\_\_\_\_  
(Possible 320)

Page 6, Secondary Survey              **Sub-Total** \_\_\_\_\_  
(Possible 270)

Page 7, First Aid Provided              **Sub-Total** \_\_\_\_\_  
(Possible 260)

Page 8, Recording                      **Sub-Total** \_\_\_\_\_  
(Possible 135)

Secondary Survey/Treatment Points Total \_\_\_\_\_  
(Possible 985)

**Total Points Awarded**  
Primary + Secondary Total (Possible 985)

**2011**  
**SJA ONTARIO**  
**First Aid Competition**  
**Team Scenario**

<b>SCENE / PRIMARY SURVEY:</b> This section is active for the first 3 minutes of the scenario only. During these first 3 minutes, the competitor may perform the actions that are both listed here and in the Secondary Survey. After the 3 minutes, the competitor is eligible to receive marks only in the Secondary Survey and no marks may be awarded in this Primary Survey. <i>Actions in this section may be done in any order.</i>		<b>A/S</b>	<b>P O I N T S</b>	<b>N O T D O N E</b>
1.1	Did First Aider take charge of the situation? <i>(tells casualty not to move? )</i>	<b>S</b>	<b>20</b>	<b>0</b>
1.2	Did First Aider I.D. self?	<b>A/S</b>	<b>20</b>	<b>0</b>
1.3	Did First Aider obtain consent to help?	<b>A/S</b>	<b>20</b>	<b>0</b>
1.4	Did First Aider call out for help from by-standers? (none for first 3 minutes)	<b>S</b>	<b>20</b>	<b>0</b>
1.5	Were hazards assessed? (Snow mobile is hazard until engine turned off).	<b>S</b>	<b>20</b>	<b>0</b>
1.6	Did First Aider put on protective gloves?	<b>A</b>	<b>20</b>	<b>0</b>
1.7	Did first aider ask casualty if he hit his head? (yes on windshield)	<b>A</b>	<b>20</b>	<b>0</b>
1.8	<i>Did First Aider determine if there are other casualties? (none)</i>	<b>S</b>	<b>20</b>	<b>0</b>
1.9	Did First Aider determine/state the mechanism of injury? <i>(Casualty thrown over handle bars of snowmobile after "it hit something")</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.10	Did First Aider assess responsiveness? <i>(level of consciousness: casualty is slowly conscious: alert &amp; oriented)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.11	Did First Aider assess airway ? (If log rolled properly, begins to breath, if <i>(not, airway is patent, casualty not breathing)</i> )	<b>A/S</b>	<b>20</b>	<b>0</b>
1.12	Did First Aider assess breathing? <i>(24 regular and shallow)</i>	<b>A</b>	<b>20</b>	<b>0</b>
1.13	Did First Aider assess the casualty's circulation - skin condition and temperature ? <i>(skin is cool, pale)</i>	<b>A</b>	<b>20</b>	<b>0</b>
1.14	Did First Aider perform a rapid body survey? <i>(minor bleeding lower left leg)</i>	<b>A</b>	<b>20</b>	<b>0</b>
1.15	Did First Aider activate EMS? <i>(bystander is available to do this)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.16	Did First Aider notify police ?	<b>A/S</b>	<b>20</b>	<b>0</b>
<b>PAGE 4 SUB-TOTAL POINTS AWARDED</b>				
Primary Survey (Possible 320)				

<b>SECONDARY SURVEY:</b> Actions in this section may be performed by the competitor in the first 3 minutes of the scenario as well as the <b>Primary Survey</b> . After the 3 first minutes, this is the only section that points shall be awarded to. <i>Actions in this section may be done in any order.</i>		A/S	P O I N T S	N O T D O N E
2.0	<b>HISTORY OF THE CASUALTY:</b>			
2.1	Did the First Aider ask casualty's name?	S	10	0
2.2	Did the First Aider ask casualty's symptoms? <i>(pain in left leg, right wrist and neck)</i>	S	10	0
2.3	Did the First Aider ask if casualty has any allergies? <i>(none)</i>	S	10	0
2.4	Did First Aider ask if casualty is taking any medications? <i>(Toronto Insulin and Lente Insulin)</i>	S	10	0
2.5	Did First Aider ask casualty's past medical history? <i>(diabetic since childhood)</i>	S	10	0
2.6	Did the First Aider ask if casualty had eaten? <i>(ate a full meal 2 hours before )</i>	S	10	0
2.7	Did First Aider ask casualty how the incident happened?	S	10	0
3.0	<b>CASUALTY'S VITAL SIGNS ASSESSMENT</b>			
3.1	Did First Aider determine Level of Consciousness? <i>(slowly becomes fully conscious)</i>	A/S	10	0
3.2.	Did First Aider assess Respiration? <i>(correct to 24 regular and shallow.)</i>	A	10	0
3.3	Did First Aider assess Pulse? <i>(correct to 116 regular and weak.)</i>	A	10	0
3.4	Did First Aider assess Skin Condition & Temperature? <i>(correct to pale, cool)</i>	A	10	0
4.0	<b>CASUALTY – HEAD TO TOE ASSESSMENT</b>			
4.1	Check scalp? <i>(clear)</i>	A	10	0
4.2	Check eyes? <i>(pupils 4mm, equal and react to light)</i>	A	10	0
4.3	Check nose? <i>(nothing)</i>	A	10	0
4.4	Check mouth? <i>(nothing)</i>	A	10	0
4.5	Check jaw? <i>(nothing)</i>	A	10	0
4.6	Check ears? <i>(ears clear – no fluid)</i>	A	10	0
4.7	Check neck? <i>(no deformity but very painful)</i>	A	10	0
4.8	Check collarbones? <i>(no deformity)</i>	A	10	0
4.9	Check shoulders? <i>(no deformity)</i>	A	10	0
4.10	Check both arms/hands? <i>(swollen/painful right lower arm/wrist and left hand)</i>	A	10	0
4.11	Check chest <i>(no deformity)</i>	A	10	0
4.12	check abdomen? <i>(clear)</i>	A	10	0
4.13	check back? <i>(no deformity, no pain)</i>	A	10	0
4.14	check pelvis? <i>(no deformity)</i>	A	10	0
4.15	Check both legs? <i>Swollen/painful lower left leg-open fracture)</i>	A	10	0
4.16	Check both ankles and feet? <i>(no deformity)</i>	A	10	0
<b>PAGE 5 SUB-TOTAL POINTS AWARDED</b>				
Secondary Survey (Possible 270)				

5.0	<b>LOWER LEFT LEG INJURY</b>			
5.1	Was the injury exposed?	A	10	0
5.2	Was The open wound cleaned and covered?	A	10	0
5.3	Was the circulation distal to the injury assessed? (capillary refill / ankle pulse)	A	10	0
5.4	Was the leg effectively immobilized? (splints or other leg)	A	10	0
5.5	Was circulation distal to the injury reassessed after immobilizing ?	A	10	0
5.6	Was cold applied to reduce swelling?	A	10	0
6.0	<b>RIGHT WRIST INJURY</b>			
6.1	Was the fractured wrist/forearm discovered?	A/S	10	0
6.2	Was circulation distal to the injury assessed? (capillary refill / nail-bed test/ radial pulse)	A	10	0
6.3	Was the wrist and lower arm immobilized? (Splint/Sling)	A	10	0
6.4	Was circulation distal to the injury reassessed after bandaging ?	A	10	0
6.5	Was cold applied to reduce swelling?	A/S	10	0
7.0	<b>NECK INJURY</b>			
7.1	Was the neck injury recognized immediately?	A/S	10	0
7.2	Was head and spinal precautions maintained throughout scenario?	A	10	0
7.3	Was proper neck immobilization applied? (can be c-collar or person holding neck)	A	10	0
7.4	Was casualty placed on a backboard?	S	10	0
7.5	Was casualty properly secured to backboard	A	10	0
8.0	<b>SHOCK AND GENERAL</b>			
8.1	Was casualty covered "over" to lessen shock?	A	10	0
8.3	Was casualty reassured?	A/S	10	0
8.4	Was casualty reassured more than once?	A/S	10	0
8.5	Was Level of Consciousness reassessed? (conscious, alert and oriented)	A/S	10	0
8.6	Was casualty's respiration reassessed? (24 regular and shallow.)	A	10	0
8.7	Was casualty's pulse reassessed? (110 regular and weak.)	A	10	0
8.8	Was casualty's skin reassessed? (pale, cool, sweaty)	A	10	0
8.9	Did First Aider ask casualty if he is having any further problems breathing? (none)?	A/S	10	0
8.10	Was casualty asked when he last took his diabetes medication? (morning dose)	A/S	10	0
9.0	<b>PERSONAL PROTECTIVE EQUIPMENT</b>			
9.1	Were nitrile/vinyl gloves effective? (Judges Note: torn gloves must be replaced.)	A	10	0

**PAGE 6 SUB-TOTAL POINTS AWARDED**

Treatment

(Possible 260)

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10.0	<b>RECORDING</b>			
10.1	Was the date and time recorded?	A	5	0
10.2	Was the casualty's information recorded?	A	5	0
10.3	Was the First Aider's name recorded?	A	5	0
10.4	Was the initial Level of Consciousness recorded?	A	5	0
10.5	Was the initial ABC status recorded? (Airway patent; NOT Breathing initially)	A	5	0
10.6	Was incident history recorded?	A	5	0
10.7	Was mechanism of injury recorded?	A	5	0
10.8	Was the wrist wound recorded?	A	5	0
10.9	Was the open fracture of left leg recorded?	A	5	0
10.10	Was the neck injury recorded?	A	5	0
10.11	Was patient's history of diabetes recorded?	A	5	0
10.12	Was the patient's last time when medication taken recorded ?	A	5	0
10.13	Was the patient's medication recorded? (Toronto and Lente Insulins)	A	5	0
10.14	Did the First Aider record when/what the patient last ate?	A	5	0
10.15	Was treatment for the left leg injury recorded?	A	5	0
10.16	Was treatment for the right wrist injury recorded?	A	5	0
10.17	Was treatment for the neck injury recorded?	A	5	0
10.18	Was the 1 <sup>st</sup> vital signs Level of Consciousness recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.19	Was the 1 <sup>st</sup> vital signs Respiration recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.20	Was the 1 <sup>st</sup> vital signs Pulse recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.21	Was the 1 <sup>st</sup> vital signs Skin Condition & Temperature recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.22	Was the 2 <sup>nd</sup> vital signs Level of Consciousness recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.23	Was the 2 <sup>nd</sup> vital signs Respiration recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.24	Was the 2 <sup>nd</sup> vital signs Pulse recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.25	Was the 2 <sup>nd</sup> vital signs Skin Condition & Temperature recorded with the time taken? (If no time recorded, then no mark.)	A	5	0
10.26	Was notification of EMS recorded?	A	5	0
10.27	Was notification of police recorded?			

**PAGE 7 SUB-TOTAL POINTS AWARDED**

Recording

(Possible 135)

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