

2007

## 37th ANNUAL ONTARIO OPEN First Aid Competition

### JUDGE'S COPY

#### **Hallway** INDIVIDUAL SCENARIO

*It is November 17th and your team is in attendance at the Occupational Health & Safety Conference being held at Milliken Mills High School. You are on your way to a break-out session of the conference when you happen across an emergency situation. Do you know what to do?*

*Good luck! You have 10 minutes to complete the scenario – this competition problem allows for **only one member** of your team to compete and provide first aid. You must also complete a Patient Care Record (PCR). You can only use resources readily available within your competition cell area (you may ask judges what is truly available for your use).*

There will be *NO* announcement of time remaining for this problem. After 10 minutes, the scenario will cease and the competitor will then have 10 minutes to complete the PCR as thoroughly as possible.

#### **Background (Competitors will not have access to this info)**

There is one casualty in this scenario. It can be either a student or a teacher (depending on the age of the casualty). The casualty was in the chemistry lab when a beaker being heated exploded and caused a deep laceration to the outside aspect of the casualty's right forearm – the beaker contained no liquid in it prior to breaking and therefore, no risk of chemical exposure.

There will be one bystander available to call 911 as necessary.

The casualty will be standing in the hallway when the competitor approaches them and will appear to be bleeding actively. There are no other injuries and the casualty removed the embedded glass prior to leaving the classroom (casualty will have minor, non-treatable scratches to left forearm).

As the scenario continues, the casualty will report increasing feeling of generally "unwell", with dizziness, and nausea. The patient will lose consciousness after 7 minutes into scenario (a prompt will be given to casualties and judges). It is expected that the competitor will notify 911, or update if already contacted, and place casualty into recovery position once ABC's have been re-examined/checked.

The competitor will have 10 minutes to complete the first aid portion of the scenario, but will have an additional 10 minutes to complete a Patient Care Record (PCR) which will be provided to them.

### INJURIES

- Large, deep laceration to outside aspect of right forearm (no embedded object); actively bleeding
- Scratches to left forearm (small, no bleeding, extremely minor)
- Fully conscious at start, but as shock progresses, casualty loses consciousness and becomes unresponsive 7 minutes into scenario.



### CASUALTY PROMPTS

- Casualty is found standing in hallway
- Casualty is responsive, answers all questions easily
- Casualty is feeling a little light-headed initially – over the next few minutes, casualty becomes increasingly dizzy, lightheaded, and feels nauseated
- Casualty will lose consciousness and be unresponsive after 7 minutes
- Casualty ate about 2 hour ago (either breakfast or lunch depending)
- Casualty has allergies to Penicillin and Environmental
- Casualty takes a Reactine tablet daily for seasonal allergies
- Past Medical History: None

### JUDGES' PROMPTS

- Judge informs team that the area is safe. IF ASKED.
- 1<sup>st</sup> set of Vital Signs:

HR	120	rapid/full
RR	22	regular/full
Skin	Pink, cool, dry	
LOC	fully awake and alert	
- 2<sup>nd</sup> set of Vital Signs:

HR	130	rapid/weak
RR	28	irregular/shallow
Skin	Pale, cool, diaphoretic (sweaty)	
LOC	*feeling very dizzy, lightheaded, but conscious	

\*(if 7 minutes from beginning of scenario have elapsed, casualty is now unresponsive)
- Casualty is awake, alert & responsive initially and will become unresponsive after 7 minutes (a prompt will be provided to casualties and judges).
- Casualty's pupils are equal, 4 mm and reactive.
- Casualty's skin is initially pink, cool and dry. Prior to losing consciousness, the skin will become pale, cool, and diaphoretic

### PROPS

- Casualties need normal clothing
- Small first aid kit should be available for first aider (?hanging on wall)
- Patient Care Record (PCR) – 1 for each casualty per rotation (~35 needed)
- Cardboard or other floor covering to protect from blood and splatter
- Judges clipboards
- Pens for competitors if they don't have their own.

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### TEAM Information – Member 1 (Arm Banded) Individual Problem

Please print the following information:

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

Team Member #1 (Red Band) \_\_\_\_\_

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

Judges' Names \_\_\_\_\_

**Page 4 Primary Survey Page 1 Total** \_\_\_\_\_  
(Possible 280)

**Page 5, Secondary Survey Page 1, Sub-Total** \_\_\_\_\_  
(Possible 110)

**Page 6, Secondary Survey Page 2, Sub-Total** \_\_\_\_\_  
(Possible 250)

**Page 7, Secondary Survey Page 3, Sub-Total** \_\_\_\_\_  
(Possible 230)

**Secondary Survey Points Total** \_\_\_\_\_  
(Possible 590)

<b>Total Points Awarded</b> Primary + Secondary Total (Possible 870)	
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**2007**  
**37th ANNUAL ONTARIO OPEN**  
**First Aid Competition**  
**Hallway Individual 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 a First Aider take charge of the situation? <i>(competitor 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?	<b>S</b>	<b>20</b>	<b>0</b>
1.5	Were hazards assessed? <i>If asked: Judge informs team that the area is safe.</i>	<b>S</b>	<b>20</b>	<b>0</b>
1.6	Did First Aider determine if there are other casualties? <i>(there is only one patient)</i>	<b>S</b>	<b>20</b>	<b>0</b>
1.7	Did First Aider determine/state the mechanism of injury? <i>(no C-spine injury)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.8	Did First Aider assess responsiveness? <i>(level of consciousness: casualty is fully conscious )</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.9	Did First Aider activate EMS? <i>( by-stander available to do this, may use cell phone, may go for help)</i>	<b>A</b>	<b>20</b>	<b>0</b>
1.10	Did First Aider assess airway ? <i>(no airway compromise)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.11	Did First Aider assess breathing? <i>(present; no distress)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.12	Did First Aider assess circulation?	<b>A/S</b>	<b>20</b>	<b>0</b>
1.13	Did First Aider perform a rapid body survey? <i>( bleeding from right forearm, should be controlled)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
1.14	Did First Aider assess the casualty's skin condition and temperature ? <i>(skin is cool, pink and dry)</i>	<b>A/S</b>	<b>20</b>	<b>0</b>
<b>SUB-TOTAL POINTS AWARDED</b>				
<b>Page 1 – PRIMARY SURVEY</b>		<b>(Possible 280)</b>		

<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.		A/S	P O I N T S	N O T D O N E
<b>Actions in this section may be done in any order.</b>				
2.0	<b>HISTORY OF THE CASUALTY:</b>			
2.1	Did the First Aider check for a medical alert device?	A/S	10	0
2.2	Did the First Aider ask bystander what happened?	S	10	0
2.3	Did the First Aider ask bystander if casualty has any allergies? ( <i>Penicillin &amp; environmental</i> )	S	10	0
2.4	Did the First Aider ask if casualty takes any medication? ( <i>Reactine, one pill, once daily</i> )	S	10	0
2.5	Did the First Aider ask if casualty had eaten? ( <i>ate breakfast/lunch 2 hrs ago</i> )	S	10	0
2.6	Did First Aider ask bystanders how the incident happened? ( <i>beaker empty on hot burner, shattered</i> )	S	10	0
3.0	<b>CASUALTY'S VITAL SIGNS ASSESSMENT</b>			
3.1	Did First Aider determine Level of Consciousness? ( <i>within first 7 min – responsive; after 7 min, unconscious</i> )	A	10	0
3.2	Did First Aider assess Respirations? ( <i>correct to 22 regular and full.</i> )	A	10	0
3.3	Did First Aider assess Pulse? ( <i>carotid or radial OK.</i> ) ( <i>correct to 120 full &amp; regular.</i> )	A	10	0
3.4	Did First Aider assess Skin Condition? ( <i>correct to pink &amp; dry</i> )	A/S	10	0
3.5	Did First Aider check Skin Temperature? ( <i>correct to cool to touch</i> )	A	10	0
<b>SUB-TOTAL POINTS AWARDED</b>				
<b>Page 1 – SECONDARY SURVEY</b> (Possible 110)				

4.0	<b>CASUALTY – HEAD TO TOE ASSESSMENT</b>			
4.1	Check scalp? <i>(no injury)</i>	A	10	0
4.2	Check eyes? <i>(pupils equal, 4mm and reacts to light)</i>	A	10	0
4.3	Check nose? <i>(clear)</i>	A	10	0
4.4	Check mouth? <i>(mouth is clear)</i> -First aider physically looks inside mouth/looks for injury	A/S	10	0
4.5	Check jaw? <i>(no deformity)</i>	A	10	0
4.6	Check ears? <i>(ears clear – no fluid)</i>	A	10	0
4.7	Check neck? <i>(no deformity)</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 arms/hands? <i>(minor, non-treatable scratches to left forearm; large wound to right forearm with active bleeding)</i>	A	10	0
4.11	Check chest <i>(no deformity)</i>	A	10	0
4.12	check abdomen? <i>(casualty experiences no pain upon palpation)</i>	A	10	0
4.13	check back? <i>(no deformity)</i>	A	10	0
4.14	check pelvis? <i>(no deformity)</i>	A	10	0
4.15	Check both legs? <i>(no injury)</i>	A	10	0
4.16	Check both ankles and feet? <i>(no injury)</i>	A	10	0
5.0	<b>FIRST AID PROVIDED</b>			
5.1	Was the casualty warned not to move?	A/S	10	0
5.2	Did the first aider sit the patient down?	A/S	10	0
5.3	Did the first aider bandage the bleeding arm?	A	10	0
5.4	Did the first aider assess circulation below the injury prior to bandaging?	A/S	10	0
5.5	Did the first aider assess circulation below the injury after bandaging? <i>(can occur anytime after bandaging)</i>	A/S	10	0
5.6	Did the first aider assess ABC's (opening airway, assessing for breathing and presence of circulation – pulse check or other signs acceptable) after casualty lost consciousness?	A	10	0
5.7	Did the first aider call 911 after casualty lost consciousness? <i>(either as an update, or as initial call)</i>	A/S	10	0
5.8	Did the first aider place the unconscious casualty into the recovery position?	A	10	0
5.9	Did the first aider recheck ABC's at least one more time after casualty lost consciousness?	A	10	0
<b>SUB-TOTAL POINTS AWARDED</b>				
<b>Page 2 – SECONDARY SURVEY</b>				
(Possible 250)				

6.0	<b>RECORDING</b>			
6.1	Was the date and time recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.2	Was the patient's information recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.3	Was the First Aider's information recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.4	Was the initial Level of Consciousness recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.5	Was the initial Respirations recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.6	Was the initial Pulse recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.7	Was the initial Skin Condition recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.8	Was the initial Skin Temperature recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.9	Was incident history recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.10	Was the right arm laceration described in sufficient detail?	<b>A</b>	<b>10</b>	<b>0</b>
6.11	Was the assessment of distal circulation documented?	<b>A</b>	<b>10</b>	<b>0</b>
6.12	Were the minor scratches to left arm documented?	<b>A</b>	<b>10</b>	<b>0</b>
6.13	Was the patient's Allergies recorded? <i>(Penicillin &amp; environmental)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.14	Was the patient's medications recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.15	Did the First Aider record that the patient had eaten recently?	<b>A</b>	<b>10</b>	<b>0</b>
6.16	Were Casualty's feelings of nausea, lightheadedness, or dizziness recorded?	<b>A</b>	<b>10</b>	<b>0</b>
6.17	Was the casualty's loss of consciousness documented?	<b>A</b>	<b>10</b>	<b>0</b>
6.18	Was the casualty's ABC's after loss of consciousness documented?	<b>A</b>	<b>10</b>	<b>0</b>
6.19	Was the reassessed Level of Consciousness recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.20	Was the reassessed Respirations recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.21	Was the reassessed Pulse recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.22	Was the reassessed Skin Condition recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
6.23	Was the reassessed Skin Temperature recorded with time taken? <i>(If no time recorded, then no mark.)</i>	<b>A</b>	<b>10</b>	<b>0</b>
<b>SUB-TOTAL POINTS AWARDED</b>				
Recording				
<b>Page 3 – SECONDARY SURVEY</b> (Possible 230)				