

## **M502: THERMAL ENVIRONMENT**

### **STUDENT EXERCISE 3**

#### **ANSWER TO QUESTION**

There are a number of approaches available that could be used in this situation, however a simple example is provided in Section 11.1 of the Student Manual (AIOH tiered approach).

Using the basic risk assessment template (Figure 11.2) the total of  $(A + B) \times C = 46$ .

As the risk assessment is between 28 and 60 there is a potential for heat induced illness to occur if the conditions are not addressed. Further analysis of the heat stress risk is required.

Given that data such as air speed, humidity, globe temperature is not available, the most appropriate course of action is to perform physiological monitoring. The results of this monitoring will determine if work ceases or continues with controls maintained (see Figure 11.1 in student manual).