**MELODY “A harmonised CBRN training curriculum for first responders and medical staff”**

**DIRECTORATE-GENERAL MIGRATION AND HOME AFFAIRS - ISFP-2017-AG-PROTECT**

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**2.3 Test Questions**

**2.3.1 Where can you find CBRN materials?**

1. Which statement with regards to availability of CBRN materials is true?

1. Obtaining dangerous chemical materials is not difficult because several potentially harmful materials can be legally bought in common shops by anyone.
2. Obtaining dangerous biological materials is not difficult because you do not need to have specific skills to obtain these materials from natural sources.
3. Obtaining potentially dangerous radioactive materials is not difficult because anyone can buy these materials from companies or hospitals.
4. Obtaining potentially dangerous materials from either category (chemical, biological or radioactive) is not difficult because these materials can be bought legally and unsupervised online.

2. Where can you expect to see this icon? Check all boxes that you think are correct:

1. Healthcare facilities
2. Research laboratories, at which pathogenic microorganisms are investigated
3. Intensive care units at hospitals
4. Restaurant kitchens
5. Chemical transports on the road or railway
6. Facilities that produce vaccines or antibiotics
7. Packages/wrapping for certain biological samples
8. Sewage plants

3. Where can you expect to see this icon? Check all boxes that you think are correct:

1. Nuclear power plants
2. Research laboratories, at which nuclear materials are handled
3. X-ray equipment
4. Fire station/ Power plants
5. Cancer treatment facilities at a hospital
6. Instruments to measure the density of materials
7. Grocery stores

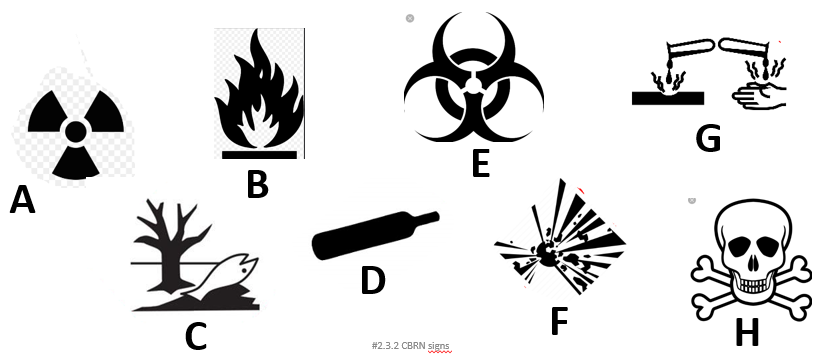
4. An X-ray device …

1. … Does not contain a radioactive source.
2. … Can also emit X-rays when it is not powered.
3. … Is dangerous when damaged.
4. … Can only expose a person within a 5 m range

**2.3.2 Dangerous goods and UN codes**

1. Infectious substances fall under ADR transport class:
2. 2
3. 6
4. 7
5. 8
6. What is the purpose of the UN number?
7. It is a four-digit number that identifies hazardous materials during transport.
8. It is a two-digit number that differentiates among CBRN substances.
9. It is a four-digit number used only for storage of chemicals.
10. It is a two-digit number used for transport and storage of chemicals.
11. Toxic industrial chemicals are assigned a hazard class. In total, how many classes are there according to the Globally Harmonized System (GHS)?
12. 16
13. 10
14. 9
15. 5
16. Please Connect the following Terms with the proper symbol:

Danger to environment, Explosive, corrosive, toxic, cylinder, radiological, flammable, biohazard

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**2.3.3 To recognize improvised production facilities**

1. An illegal production site of chemical and/or biological materials can be recognized by the presence of, for example:

1. Large amounts of food stuff
2. Large amounts of household chemicals
3. Large amounts of refrigerators
4. Large amounts of glass bottles

2. The production of radioactive material for CBRN purposes will likely be the result of …

1. … Theft of existing radioactive materials.
2. … Illicit harvesting the production of accelerators.
3. … The combination of advanced chemistry and ultracentrifuges.
4. … Dark net online orders.

3. What are the indicators for illegal production of chemical agents?

1. Glove cabinet, incubator
2. Demolished sealed containers holding R material
3. Animal tissues, protective equipment
4. Strange smell in the surrounding, large amounts of household chemicals