

Environmental Awareness Certificate Syllabus

A Environmental impacts

Candidates should understand the primary local and global environmental impacts of their organisation and be able to:

- i Identify environmental issues in their day-to-day life.
- ii Explain the following terms and basic causes and consequences of:
 - resource depletion
 - waste
 - climate change
 - air, water and land pollution
 - loss of biodiversity
 - sustainability.

B Pollution

Candidates should understand the key terms and definitions of pollution and be able to:

- i Describe the main causes of air, water and land pollution.
- ii State and demonstrate an understanding of the impact of pollution on humans, ecosystems, species and property.
- iii Define the terms 'source', 'pathway' and 'receptor' in the context of environmental risk management.

C Environmental law

Candidates should understand the basic principles, key concepts and importance of environmental law and be able to:

- i Describe the role of the main environmental regulators in the UK.
- ii State the consequences of infringing environmental laws.
- iii Suggest ways to ensure that an organisation complies with environmental laws.

D Business and the environment

Candidates should understand how their jobs link to a range of environmental impacts and be able to:

- i Recognise and demonstrate the environmental effects of organisations, such as:
 - inputs to an organisation, such as energy, water, goods and raw materials
 - the operations conducted by an organisation, such as transportation and purchasing, and the site
 - outputs such as the products and services of the organisation as well as waste and pollution.

E Environmental management

The candidate should understand the business benefits of adopting an environmental management system and be able to:

- i Give examples of the benefits to an organisation of adopting environmental management systems.
- ii Outline the procedure for conducting a simple environmental review.
- iii Describe what an environmental management system is and the stages involved in its implementation.
- iv Describe the function of an environmental policy within the context of an environmental management system.
- v List the names of accredited environmental management systems.
- vi Develop a basic environmental action plan for a work area.

F Energy use and carbon management

The candidate should understand how important gas, electricity and transport are to the operation of even the smallest business and be able to:

- i Describe the link between energy use and climate change.
- ii Outline the procedure for conducting a simple review of energy consumption.
- iii Identify simple measures for reducing energy consumption at work.
- iv Explain how and why people, goods and materials move around.
- v Identify the environmental impacts of the transport in terms of climate change, air and noise pollution and resource depletion.
- vi Suggest alternative ways to travel to work and organise the transport needs of an organisation.

G Water use

The candidate should understand that as well as being required for life, water has many industrial uses and be able to:

- i Describe the key issues associated with water use.
- ii Outline the procedure for conducting a simple review of water consumption.
- iii Identify simple measures for reducing water consumption at work.

H Waste management

The candidate should understand that waste is a resource and be able to:

- i Describe the environmental effects of a range of waste disposal methods.
- ii Explain why waste should be viewed as raw materials that are not being used efficiently.
- iii Outline the procedure for conducting a simple waste audit.
- iv Give examples of waste minimisation using the waste hierarchy.
- v Explain the benefits of waste minimisation to the environment and the organisation.
- vi Define the terms 'waste', 'duty of care' and 'producer responsibilities'.
- vii Describe the key types of waste including 'controlled' and 'hazardous'.

I Emergency planning

The candidate should understand that different types of emergency have different impacts on the environment and be able to:

- i Give examples of the different types of emergency situation that might have an impact on the environment.
- ii Describe how prior preparation and provision of training and resources can mitigate any effects.
- iii Describe the reporting requirements of pollution incidents to regulatory agencies.



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