Unit 13 - Week 11: Reactor Safety & Security

Assessment 11

Due on 2020-04-15, 23:59 BST.

1) Why did the Chernobyl nuclear accident happen?
   - March 26, 1979
   - March 28, 1979
   - September 28, 1979
   - September 28, 1980
   - No, the answer is incorrect.
   Accepted Answer:
   March 26, 1979

2) Which unit of Chernobyl was involved in the accident?
   - Unit 1
   - Unit 2
   - Unit 3
   - Unit 4
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Unit 4

3) Which among the following is not an aspect covered by the Defence-In-Depth philosophy?
   - Prevention
   - Mitigation
   - Radiation
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Radiation

4) The second barrier provided as a part of the several physical barriers incorporated in a reactor generally is?
   - Ceramic fuel pellet
   - Cladding
   - Pressure vessel
   - Concrete structure
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Concrete structure

5) Which level of protection among the five conventional levels attempts to control the design-basis accidents?
   - Level 0
   - Level 1
   - Level 2
   - Level 3
   - Level 4
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Level 4

6) External emergency planning is a part of which level of protection?
   - Level 0
   - Level 1
   - Level 2
   - Level 3
   - Level 4
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Level 3

7) Full form of ECCS is?
   - Emergency core cooling system
   - Emergency core containment system
   - Emergency core containment system
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Emergency core cooling system

8) Fukushima accident is an example of level ________ accident according to nuclear accident sequence classification.
   - 4
   - 5
   - 6
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   7

9) Natural circulation employs __________ force for fluid circulation.
   - Non-pumping
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Non-pumping

10) Installation of multiple safety design to achieve a single safety function is known as ________.
   - No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   Multi-string technology

Feedback form

Week 11 - Reactor Safety & Security

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NTPEL = Fundamentals of Nuclear Power Generation

Books

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Task Transfers

Week 10 - Reactor Management

Week 8 - Reactor Heat Transfer

Week 7 - Nuclear Reactor Design

Week 6 - Nuclear Reactor Core

Week 5 - Nuclear Reactor Reactivity Control and Reactor Physics

Week 4 - Nuclear Reactor Fuel

Week 3 - Nucleation and Reactor Systems

Week 2 - Reactor Thermalhydraulics

Week 1 - Fundamental of Nuclear Power

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