

# Interview Questions

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## 40 TOP NUCLEAR POWER Engineering Online Test – Multiple Choice Questions and Answers

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Congratulations – you have completed **Nuclear Power Engineering Online Test Set 1**.

You scored **2** points out of **10** points total.

Your answers are shown below:

1. A fast breeder reactor employs

- **molten sodium as coolant as well as moderator**

- water as coolant
- graphite as moderator
- U-235 as fuel

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2. Uranium ore is currently mined & concentrated at

- Jadugoda
- **Alwaye**
- Khetri
- Ghatsila

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3. Fuel for a nuclear reactor (thermal) is

- plutonium
- **radium**
- uranium
- none of these

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4. Graphite is used in nuclear reactor as

- insulation lining of the reactor
- **retarder of neutron velocity**
- fuel
- lubricant

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5. Which one is radioactive in nature ?

- Helium
- Tritium
- **Deuterium**
- Heavy hydrogen

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6. Main source of \_\_\_\_\_ is monazite sand

- uranium
- **hafnium**
- thorium

- polonium

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7. Enrichment of uranium is done to increase the concentration of \_\_\_\_\_ in the natural uranium

- Pu-239
- U-233
- **U-238**
- U-235

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8. The most commonly used nuclear fuel in boiling water reactor is

- natural uranium
- **enriched uranium**
- monazite sand
- plutonium

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9. Percentage of U-238 in natural uranium is around

- 0.015
- 0.71
- **29.71**
- 99.29

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10. The half life period of a radioactive substance is best determined by counting the number of alpha particles emitted per second in a Geiger Muller counter from its known quantity. If the half life period of a radioactive substance is one month, then

- **3/4th of it will disintegrate in two months**
  - it will completely disintegrate in four months
  - 1/8th of it will remain intact at the end of four months
  - it will completely disintegrate in two months
-

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