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**Started on** Saturday, 24 April 2021, 6:20 PM

**State** Finished

**Completed on** Saturday, 24 April 2021, 6:40 PM

**Time taken** 20 mins 1 sec

**Grade** 9.00 out of 12.00 (75%)

Question **1**

Correct

Mark 2.00 out of 2.00

Which of the following is drawback of ruby laser

Select one:

- ☒ a. Discontinuous pulse ✓
- ☐ b. Reflection
- ☐ c. Interference
- ☐ d. Resonance

The correct answer is: Discontinuous pulse

Question **2**

Correct

Mark 1.00 out of 1.00

Which of the following is Principle of LASER

Select one:

- ☐ a. Interference
- ☐ b. Resonance
- ☒ c. Stimulated Emission ✓
- ☐ d. Total Internal Reflection

The correct answer is: Stimulated Emission

Question **3**

Correct

Mark 2.00 out of 2.00

Superconductors are

Select one:

- ☐ a. Ferromagnetic
- ☐ b. None of these
- ☒ c. Diamagnetic ✓
- ☐ d. Paramagnetic

The correct answer is: Diamagnetic





Question **4**

Incorrect

Mark 0.00 out of 1.00

One nanometer space equals to

Select one:

☐ a. Ten Carbon atoms

☒ b. None of these **✖**

☐ c. Twenty Hydrogen atoms

☐ d. Five Carbon atoms

The correct answer is: Five Carbon atoms

Question **5**

Correct

Mark 1.00 out of 1.00

Abbreviation of AFM in nanotechnology

Select one:

☐ a. Armed Force Microscope

☒ b. Atomic Force Microscope **✔**

☐ c. None of these

☐ d. Arranged Fitment Magnifier

The correct answer is: Atomic Force Microscope

Question **6**

Incorrect

Mark 0.00 out of 2.00

Outermost region of Optical Fiber is

Select one:

☐ a. Buffer

☐ b. Silver

☐ c. Core

☒ d. Cladding **✖**

The correct answer is: Buffer

Question **7**

Correct

Mark 1.00 out of 1.00

Resistivity of superconductor is

Select one:

☒ a. 0 **✔**

☐ b. None of these

☐ c. 1

☐ d. 100

The correct answer is: 0





Question **8**  
Correct  
Mark 1.00 out of 1.00

What is the principle involved in optical fibre?

Select one:

- ☐ a. Interference
- ☐ b. None of these
- ☐ c. Resonance
- ☒ d. Total Internal Reflection ✓

The correct answer is: Total Internal Reflection

Question **9**  
Correct  
Mark 1.00 out of 1.00

Nano means

Select one:

- ☐ a. None of these
- ☐ b. One trillionth
- ☒ c. One Billionth ✓
- ☐ d. One Millionth

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