

Quiz Results Report

Student Name: Vajiya
Submission ID: 3
Score: 3 / 25 (12.0%)
Grade: F - Needs Improvement

Question 1: What is the Higgs boson?...

Field	Value
Your Answer	Element
Correct Answer	a
Result	✗ INCORRECT

Question 2: What is the Stefan-Boltzmann law about?...

Field	Value
Your Answer	Molecular motion
Correct Answer	a
Result	✗ INCORRECT

Question 3: What is the Planck constant approximately (eV·s)?...

Field	Value
Your Answer	1.055×10^{-3}
Correct Answer	a
Result	✗ INCORRECT

Question 4: How many dimensions does spacetime have?...

Field	Value
Your Answer	2
Correct Answer	c
Result	✗ INCORRECT

Question 5: What is Hawking radiation?...

Field	Value
Your Answer	Radiation from stars
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 6: What is the AdS/CFT correspondence?...

Field	Value
Your Answer	Correspondence between waves
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 7: What is the uncertainty principle proposed by?...

Field	Value
Your Answer	Schrödinger
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 8: What is a boson?...

Field	Value
Your Answer	Virtual particle
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 9: What is a Calabi-Yau manifold?...

Field	Value
Your Answer	Wave function
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 10: What is tensor calculus used in?...

Field	Value
Your Answer	General relativity
Correct Answer	a
Result	✓ CORRECT

Question 11: wqWhat is the mass hierarchy problem in physics?...

Field	Value
Your Answer	Why do they differ so much
Correct Answer	d
Result	✗ INCORRECT

Question 12: What is the fine structure constant approximately?...

Field	Value
Your Answer	1/200
Correct Answer	a
Result	✗ INCORRECT

Question 13: How many protons does uranium-235 have?...

Field	Value
Your Answer	125
Correct Answer	a
Result	✗ INCORRECT

Question 14: What is quantum entanglement?...

Field	Value
Your Answer	Particles sharing quantum state
Correct Answer	b
Result	✓ CORRECT

Question 15: What is the electroweak interaction?...

Field	Value
Your Answer	Interaction of electrons
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 16: What is the quark-gluon plasma?...

Field	Value
Your Answer	Liquid state
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 17: What is the cosmological constant related to?...

Field	Value
Your Answer	Dark matter
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 18: What is supersymmetry in physics?...

Field	Value
Your Answer	Translational symmetry
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 19: qWhat is the Navier-Stokes equation used for?...

Field	Value
Your Answer	Quantum mechanics
Correct Answer	a
Result	<i>x</i> INCORRECT

Question 20: What is the Euler-Lagrange equation?...

Field	Value
Your Answer	Optimization in mechanics
Correct Answer	a
Result	✓ CORRECT

Question 21: What is Yang-Mills theory?...

Field	Value
Your Answer	Wave theory
Correct Answer	a
Result	✗ INCORRECT

Question 22: What is CPT symmetry?...

Field	Value
Your Answer	Circular Path Theorem
Correct Answer	a
Result	✗ INCORRECT

Question 23: How many fundamental forces are there in the Standard Model?...

Field	Value
Your Answer	5
Correct Answer	c
Result	✗ INCORRECT

Question 24: What is renormalization in quantum field theory?...

Field	Value
Your Answer	Method to measure uncertainty
Correct Answer	a
Result	✗ INCORRECT

Question 25: What is a fermion?...

Field	Value
Your Answer	
Correct Answer	a
Result	<i>X</i> INCORRECT