

PHY401

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1. The lepton number is

--->> Additive

Cumulative

Associative

Distributive

2. The law that explains the stability of proton is the law of

Parity

Strangeness

--->> Conservation of baryon number

Momentum

3. The law of conservation of isospin is valued for

Weak interactions

No interaction

--->> Strong interaction

None of the options

4. Parity transformation can be likened to

Minor refraction

--->> Minor reflection

Minor translation

All of the options

5. The law of conservation of momentum results when a system has

--->> Translational

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Potential

All of the options

6. The proton is the lightest \_\_\_\_\_ and hence it is stable

Charge

--->> Baryon

Neutrino

Post

7. Electrons cannot decay into neutral particles because it is a violation of

Angular momentum

Parity

Energy

--->> Charge

8. Transformation of particles into antiparticles is referred to as

G parity

--->> C parity

D parity

F particles

9. Reactions involving hadrons can be understood using

Orbital quantum no

Azimuthal quantum no

Magnetic quantum no

--->> Strangeness quantum no

10. The strong and electromagnetic interaction conserve

--->> Parity

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families

no option

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