

- 30** The rest masses of three particles, tritium ${}^3_1\text{H}$, proton ${}^1_1\text{p}$, and neutron ${}^1_0\text{n}$, are 3.0160 u, 1.0086 u and 1.0097 u respectively. A tritium may disintegrate to its constituent protons and neutrons if it
- A** captures a photon of energy 10 MeV.
 - B** captures a photon of energy 12 MeV.
 - C** emits a photon of energy of 10 MeV.
 - D** emits a photon of energy of 12 MeV.

End of Paper