

Physics ICS Part 2 Chapter 21 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | The building blocks of protons and neutrons are called. | A. Ions B. Electrons C. Positrons D. quarks |
| 2 | Electrons are | A. Hadrons B. Laptons C. Quarks D. Baryons |
| 3 | Binding energy per nucleus for uranium is above: | A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV |
| 4 | The quantity of U in the naturally occurring uranium is. | A. 0.2% B. 0.3% C. 0.7% D. 0.4% |
| 5 | Which particle has larger range in air. | A. Alpha rays B. Gama rays C. Beta rays D. Neutron |
| 6 | A pair of quark and anti quark makes a. | A. Meason B. harden C. Laption D. Baryon |
| 7 | Materials can be identified by measuring their | A. Mass B. Half life C. Both a and b D. None of a,b,c |
| 8 | Which of the following are not hadrons. | A. Muons B. Mesons C. Positrons D. Neutrons |
| 9 | Half life of Uranium -239 is | A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes D. 23.5 minutes |
| 10 | Those elements whose charge number z is greater then _____ are unstable: | A. 80 nbsp; ; B. 79 C. 82 D. 83 |
| 11 | Which of the following basic force is able to provide an attraction between two neutrons: | A. Electrostatic and nuclear b B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force |
| 12 | amu = | A. 1.06×10^{-27} kg B. 1.6606×10^{-27} kg C. 1.520×10^{-21} kg D. 1.6606×10^{-31} kg |
| 13 | The total charge of any nucleus is: | A. Ze B. Z C. Both a and b D. None of above |
| 14 | If the following particle have the same energy, which particle has the shortest wave length. | A. alpha particle B. Neutron C. Beta particle D. Proton |
| 15 | The scientist who suggested the presence of neutron was: | A. Bohr B. Rutherford C. Chadwick D. ... |

D. J.J Thomson

16 The potential difference between the top and bottom of a cloud chamber is of the order of

- A. 290 v
- B. 400 v
- C. 1 kv
- D. None of above

17 The charge on Beta particle is

- A. +e
- B. -e
- C. -2e
- D. None of these

18 Two down and one up quarks make

- A. Proton
- B. Neutron
- C. ~~photon~~
- D. Positron

19 X-rays are similar in nature to.

- A. Gama rays
- B. Beta rays
- C. Alpha rays
- D. Cathode rays

20 Binding energy per nucleon is maximum for

- A. Platinum
- B. Iron
- C. Uranium
- D. Lead