|  |  |  |
| --- | --- | --- |
| 1 | Give the characteristics of physics of Elementary particles | №1 |
| 2 | List of particles and characteristics | №1 |
| 3 | Describe discovering of  Nucleon (proton and neutron) | №1 |
| 4 | Describe introduction to Nuclear Reactor. | №1 |
| 5 | Give the classification  of  reactors | №1 |
| 6 | Give the characteristics of mechanism of nuclear power reactors | №1 |
| 7 | Give the characteristics of fission and heat generation | №1 |
| 8 | Explain mechanism of reactors: Cooling and reactivity control. | №1 |
| 9 | Give the characteristics of electrical power generation | №1 |
| 10 | Characterize main reactions in nuclear reactors.  | №1 |
| 11 | Analyze the cyclic nuclear reactions | №1 |
| 12 |  Explain the role of weak interactions. | №1 |
| 13 | Describe main nuclear reactions. | №1 |
| 14 | Expalin the theory of electromagnetic interactions.  | №1 |
| 15 | Give the classification by type of nuclear reaction | №1 |
| 16 | Describe current technologies | №2 |
| 17 | Explain how to work with reactors: emergency | №2 |
| 18 | Explain how to work with reactors: security.  | №2 |
| 19 | Explain how reactors work: mechanism | №2 |
| 20 | Describe nuclear fuel cycle | №2 |
| 21 | Analyze natural nuclear reactors | №2 |
| 22 | Give definition and describe energy of nuclear fission. | №2 |
| 23 | Give the characteristics of mechanisms of nuclear fission. | №2 |
| 24 | Describe the power rating of a nuclear power reactor. | №2 |
| 25 | Describe fuelling a nuclear power reactor. | №2 |
| 26 | Explain theoretical imagination of structure of nuclear interactions | №2 |
| 27 | Characterize the main installations of material world: accelerator   | №2 |
| 28 | Explain the mechanism of accelerator  | №2 |
| 29 | Describe needed advances In Accelerators science. | №2 |
| 30 | Describe technology and related apparatus | №2 |
| 31 | Explain how to develop and future of nuclear installations. | №3 |
| 32 | Describe particle beams physics. | №3 |
| 33 | Analyze nuclear reactions in particles physics. | №3 |
| 34 | Describe databases on nuclear reactions. | №3 |
| 35 | Give the classification of types of nuclear reactors. | №3 |
| 36 | Give the classification of types of nuclear installations. | №3 |
| 37 | Explain main rules when we work with reactor.   | №3 |
| 38 | Give the examples of Nuclear interactions. | №3 |
| 39 | Explain safety rules for reactors. | №3 |
| 40 | Explain theoretical imagination of structure of nuclear interactions | №3 |
| 41 | Analyze energy mechanisms of nuclear fission. | №3 |
| 42 | Give the classification by type of nuclear reaction | №3 |
| 43 | Describe atabases on nuclear reactions. | №3 |
| 44 | Give definition and describe natural nuclear reactors | №3 |
| 45 | Give the examples and describe current technologies | №3 |