Nature of Science

Sr	Questions	Answers Choice
1	The branch of Physics that deals with the particles such as neutrons and protons.	A. Electricity B. Plasma Physics C. Nuclear Physics D. Solid state Physics
2	Physics is a branch of	A. Biological science B. Physical Science C. Life science D. Social science
3	Why do scientists develop a hypothesis before conducting research.	A. Hypotheses help a researcher decide which observations to record and which to ignore B. It give them direction on how to interpret the results of their research C. It helps to predict outcomes and define the parameters of the rsearch D. Hypotheses give the researcherr an outcome to shape their work around
4	Physics is one of the branches of.	A. Life science B. Social science C. Biological sciences D. Physical sciecnes
5	A user frindly software application of smart phone use	A. Laser Technology B. Information Technology C. Medical Technology D. Electronic technology
6	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
7	The Branch of Physics that is most important when studying how glasses help people see.	A. Optics B. Thermodynamics C. Electromagnetism D. Mechanics
8	Automobile technology is based on	A. Thermodynamics B. Acoustics C. Electromagnetism D. Optics
9	Which of the following are methods of investigation	A. Research B. Experimentation C. Observation D. All of these
10	Which branch of science plays vital role in technology and negineering.	A. Biology B. Chemistry C. Physics D. Geology
11	The statemetn "If I do not study for this test, then I will not get good grade" is an example of.	A. Prediction B. Law C. Theory D. Observation
12	The color of a door is brown, is an example of.	A. Law B. Prediction C. Observation D. Hypothesis
13	Which branch of science plays an important role in engineering.	A. Biology B. Physics C. Chemistry D. Life Science
14	The workig of refrigeration and air conditionig involves.	A. Electromagnetism B. thermodynamics C. Climate science

		D. Mechanics
15	Which Statemtn below correctly identifies the differecne between laws and theories.	A. Laws describe phenomena , while theories explain why phenomena exist B. Laws are a statment of fct, while theories are statemetn of opinion C. Laws explain why phenomena exist, while theories explain how D. Laws are a prediction of phenomena, while theories are an explanation.
16	When studying how air conditiners cool your house, then it is	A. Optics B. Nuclear Physics C. Thermodynamic D. Electromagnetism
17	A hypothesis	A. May or may not be testable B. Is supported by evidence C. Is a possible answer to a question D. All of these
18	What is the best definitin of the term "theory", as it us used in sciecne.	A. A theory is a guess or hunch about somethig that has occurred in nature B. A theory is a comprehensive set of ideas explaining a phenomenon in nature C. A theory is based on verifiable laws and can be proven true D. A theory is a hypothesis that uses laws and observation to make an assumption.
19	What is the ultimate truth of a scientific method.	A. Hypothesis B. Experientation C. Law D. Theroy