**Assignments 1**

**Scientific Writing and Research Methodology** **PSPHY PR1, (M. Sc. Physics 4th Sem)**

**Credits 4 LTPS (3106) Module 1;** **Teacher In charge: Dr. S. Rubab**

Submission deadline **10.5.2020**

**N.B.** Attempt all in your own (Plagiarism not allowed) words. Answers should be to the point and precise (no beating the bush).

1. Which of the following is ‘Science’ and which is not? Justify your answer.

Alchemy, Astronomy, Vaastu, Chemistry, Homeopathy, Astrology

1. List ten remarkable experiments in the history of development of Physics. Arrange them chronologically.
2. What are the assumptions of Special Theory of Relativity? How can they be justified?
3. Do you agree with instrumentalism? Justify with examples.
4. Falsifiability is the hallmark of modern scientific method, Explain with examples.
5. ‘Scientific Temper is the need of hour in the backdrop of Corona Pandemic. Express your thoughts in about 250 words.