Bago University
Department of Philosophy
First Semester Examination, March 2019

Fourth Year
(Philosophy Specialization)

Phil 4103
Philosophy of Science-I
Time Allowed: (3) Hours

Answer FIVE questions.

1. Choose correct words, fill in the blanks and rewrite the followings.

(a) . Phenomenological theories are also called ----------, physical laws and natural laws.

(moral laws, ethical laws, scientific laws)

(b) Philosophical statements are based on sets of ---------- studied by the sciences.

(facts, data, matters)

(c) The logical method of ---------- today favours induction over deduction.

(mathematics, physics, science)

(d) Science and ---------- have always learned from each other. (history, psychology, philosophy)

(e) Today science seeks to discover principles based on ---------- as a starting point.

(hypothesis, observation, causation)

(f) Scientific inquiry is carried out in ---------- . (practice, skill, literature)

(g) . Explanatory ---------- provides scientific understanding of the world. (knowledge, fact, data)

(h) Normally, scientific ---------- have the form of a mathematical model.

(hypotheses, observation, analysis)

2. State and explain the nature of science.
3. Briefly explain the history of science.
4. How do we define science? Explain.
5. Explain how does philosophy influences the science of Greek time.
6. Discuss the influence of mathematics on early Greek Science.
7. Write short note any one of them.

(a) The Metaphysical foundations of Science

(b) Inference in Science

(c) The nature of hypothesis

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