



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
First Year - Semester II Examination – October/ November 2017

IDC 1201- PHILOSOPHY OF SCIENCE

Time: Two (02) hours

Answer four (04) questions only.

1. a) Using appropriate examples, illustrate the statement “Problems with philosophy are the problems which science is not yet ready to deal with”. **(50 marks)**
b) Discuss the statement, “Scientific knowledge is the most reliable knowledge that we can have about the natural world” **(50 marks)**
2. Write short notes on the following.
 - a) Distinction between appearance and reality.
 - b) Metaphysics helps to make human life meaningful.
 - c) Importance of ethics in human behavior.
 - d) Steps followed in scientific investigations. **(25 marks each)**
3. Comment on the following statements.
 - a) Inductive reasoning is inherently uncertain. **(50 marks)**
 - b) Scientific theories are the best available explanations of the world. **(50 marks)**
4. Evaluate the importance of casual relationship and the uniformity of nature in scientific investigations. **(100 marks)**
5. Discuss briefly,
 - a) the role of probability in scientific investigations. **(50 marks)**
 - b) the limitations of scientific knowledge. **(50 marks)**

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