



SCHOOL OF HUMANITIES AND SOCIAL SCIENCES
BACHELOR OF DEVELOPMENT STUDIES AND PHILOSOPHY
END OF SEMESTER EXAMINATION
BDP 4105: PHILOSOPHY OF SCIENCE

Date: 13th October 2023

Time: 08:00 – 10:00

Instructions

1. This examination consists of **FOUR** questions.
2. Answer **Question ONE (COMPULSORY)** and any other **TWO** questions.

Question ONE (COMPULSORY) (30 marks)

1. What was the understanding of science in:
 - a. The Middle ages (3 marks)
 - b. Renaissance period (3 marks)
 - c. List at least two outstanding “scientists” from each age and their contributions to science. (4 marks)
 - d. What is a hypothesis? (2 mark)
 - e. Name 5 properties of a good hypothesis (5 marks)
 - f. What was the most important invention of modern times that helped philosophy to spread? (5 marks)
 - g. Following is a list of philosophers of science. Write beside the name of each one what he is known for in the philosophy of science. (2 marks each)
 - i. Isaac Newton
 - ii. Karl Popper
 - iii. Vesalius
 - iv. Thomas Kuhn

ANSWER ANY TWO (EACH IS 15 marks)

2.
 - a. What, according to Bacon, is wrong with deduction? (6 marks)
 - b. Why is induction a better method for scientific inquiry? (9 marks)
3.
 - a. What was the notion of science in the ancient times? (3 marks)
 - b. How did this change from mediaeval to the modern times in as far as primary cause is concerned? (7 marks)
 - c. Briefly describe scientism in the 18th and 19th centuries. (5 marks)
4.
 - a. Discuss the Scope and Limit of Science (Experimental) (5 marks)
 - b. Show its relation to
 - i) Philosophy (4 marks)
 - ii) Theology & Religion (6 marks).