



**BOWEN UNIVERSITY, IWO
(OF THE NIGERIAN BAPTIST CONVENTION)
COLLEGE OF MANAGEMENT AND SOCIAL SCIENCES (COMSS)
SOCIOLOGY PROGRAMME
B.Sc. SOCIOLOGY DEGREE
SOC 102 (ELEMENT OF SCIENTIFIC THINKING)**

Instruction: Attempt question one and any other two questions of your choice

Time Allowed: 2 Hours

Question One

- a. How can you differentiate between thinking and scientific thinking? (4 marks)
- b. Scientific thinking rests on the concept of Empiricism, Rationalism and Skepticisms. Discuss each of these in great details. (12 marks)
- c. List and explain, at least, three attributes of a good Scientific thinker (6 marks)
- d. List and explain four goals of science that is known to you (8 marks)

Question Two

- a. What is Science? (2 marks)
- b. List at least four factors that make a scientific question a good one? (8 marks)
- c. List and explain in details, at least, five characteristics of science (10 marks)

Question Three

- a. Discuss, at least, five similarities between Physical sciences and Social sciences (10 marks)
- b. Differentiate between Physical Sciences and Social Sciences (10 marks)

Question Four

List and explain, at least, eight intellectual standards for assessing scientific thought
(20 marks)

Question Five

Identify the various ways of acquiring knowledge and discuss, with reasons the
widely accepted as reliable (20 marks)