

DEPARTMENT OF PHYSICS AND ENGINEERING PHYSICS
OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE

PHY 202 – INTRODUCTION TO ENVIRONMENTAL PHYSICS QUIZ 1: FRIDAY 17/05/24

[Attempt All Questions. Very brief and concise answers required! Time Allowed 20 minutes.]

1.a. Mention 3 basic assumptions inherent in any dating method. (3 marks)

b. Mention 2 limitations in the Carbon-14 dating system. (2 marks)

2.a. Mention 5 distinct layers comprising the internal structure of the earth (2.5 marks)

b. Mention 5 storage systems/sites in the hydrological cycle. (2.5 marks)

3.a. What is the distinction between a Genetically Modified Organism (GMO) and a hybrid organism? (2.5 marks)

b. Distinguish between subchronic and chronic toxicities in the context of adverse health effects. (2.5 marks)

4.a. What are the smallest and largest sizes (in meters) conceivable in the observable Universe? (1 mark)

b. List the 8 planets comprising the solar system. (4 marks)