

AUGUST 2021
EBS 203
METHODS OF TEACHING SCIENCE
1 HOUR 20 MINUTES

Candidate's Index Number:

Signature:

UNIVERSITY OF CAPE COAST
COLLEGE OF EDUCATION STUDIES
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
SECOND YEAR, END-OF-SECOND SEMESTER EXAMINATION, AUGUST, 2021

AUGUST 19, 2021

METHODS OF TEACHING SCIENCE

2:40 PM – 4:00 PM

SECTION B

(60 Marks)

Answer Question 1 and any other two questions from the section

1. You are to teach "The Solar System" to JHS Two (2) Class.
 - a) State **two** performance indicators you would wish to achieve with your class. (4 marks)
 - b) Write **one** activity you would use to start your lesson. (3 marks)
 - c) State **three** activities you would carry out with your learners during the main phase of your lesson. (9 marks)
 - d) Write **one** activity for your learners at the plenary/reflection session. (3 marks)
 - e) (i) List **two** core competencies you would develop in your learners during the lesson. (3 marks)
(ii) How would the **two** competencies be developed in learners during the main phase of the lesson. (4 marks)
 - f) Write down **two** appropriate questions you will use to assess your learners understanding of the lesson. (4 marks)

2.
 - a. Describe the following components of a lesson plan:
 - i. Indicator
 - ii. Content Standard (4 marks)
 - b. Mention any **four** reasons for using the Activity Method of teaching Science at the Basic School. (4 marks)
 - c. State any **four** ways you will manage your learners learning environment. (4 marks)
 - d. Give **three** reasons why a Science teacher should ask questions. (3 marks)

3. a. Explain the **three** phases of Science lesson plan. (6 marks)
b. What is Question-and-Answer Methods of Teaching? (2 marks)
c. Outline **four** advantages of Reflective teaching. (4 marks)
d. Explain any **two** strategies you would use to manage student behaviour in a Science class. (3 marks)
4. a. Explain the **three** main types of improvisation. (6 marks)
b. Outline any **four** benefits of Peer Teaching. (4 marks)
c. Mention **two** possible dangers in a Field Trip. (2 marks)
d. Explain Science as a **Process** and Science as a **Product**. (3 marks)
5. a. Discuss any **two** Levels of Bloom's Affective Domain of learning. (4 marks)
b. Tabulate **two** differences between *Deductive* and *Inductive* learning. (4 marks)
c. State **two** purposes of classroom learning. (2 marks)
- d. (i) What are Scientific methods? (2 marks)
(ii) Outline **three** importance of Scientific methods. (3 marks)