AUGUST 2023
EBS 323
METHODS OF TEACHING PRIMARY
SCHOOL SCIENCE
2 HOURS

Candidate's Index Number			
	<i>\$</i>		
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) THIRD YEAR, END-OF-FIRST SEMESTER EXAMINATION, AUGUST 2023

17TH AUGUST 2023

METHODS OF TEACHING PRIMARY SCHOOL SCIENCE

9:00 AM - 9:40 AM

This paper consists of two sections, A and B. Answer ALL the questions in Section A and TWO questions from Section B. Section A will be collected after the <u>first 40 minutes</u>.

SECTION A (40 MARKS)

Answer ALL questions in this Section.

For items 1 to 20, each stem is followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

- 1. Which one of the following is not a field of Applied Science?
 - A. Engineering
 - B. Forestry
 - C. Pharmacy
 - D. Physics
- The scientific knowledge which is based on evidence and which could be replicated by other investigators working at different places is termed
 - A. empirical.
 - B. replicable.
 - C. systematic exploration.
 - D. verifiability.
- 3. Which one of the following is not a suitable similarity between Science and Technology?
 - A. Both create or solve human problems.
 - B. Both are reproductive.
 - C. Changes occur only gradually in one of them.
 - D. They are closely interwoven.

4.	A. B. C.	being culturally and gender insensitive. being flexible and capable of adjusting to novel situations. encouraging a love for learning. establishing high but achievable expectations.	
5.		ch one of the following statements is an advantage of reflective teaching? Develops the quality of teaching.	
		Learners stay focused and think critically.	
		Promotes co-operation between the teacher and learners.	
		Students' achievements are well monitored.	
6.	as A. B. C.	hing aids that help the learner to acquire knowledge through the auditory senses are known aids. activity audio audio-visual visual	
7.	A. B. C.	he following words are synonymous with formative evaluation except feedback. final outcome. improvement. ongoing.	
8.		ch one of the supposed written objectives satisfies the acronym SMART?	
	A.	By the end of the lesson, the pupil should be able to list four organs of the human digestive	
	R	system. By the end of the lesson, the pupil should be able to mention the organs of the digestive	
	D.	system.	
	C.	The pupil should be able to identify organs of the digestive system.	
		The pupil should be able to mention at least four organs of the human digestive system.	
9.		standard procedure in the presentation of instructional materials and the content of activities	
		ng a lesson presentation is called teaching	
		approach.	
		method.	
		strategy. style.	
10.	Displays on a large piece of manila card that is designed to be shown to a class or a group during		
		son are referred to as	
		charts.	
		diagrams.	
		models.	
	D.	pictures.	
11.		phrase "To develop scientific literacy in learners" is an example of	
	A.	behavioural objective.	
		goal.	
		instructional objective.	
	D.	learning objective.	

12.	A. B.	ch one of the following is not a major level of knowledge? knowledge Conceptual Factual Procedural	
		Strategic	
13.	The ability to convert learned responses into habitual actions with proficiency and confidence is termed		
	A.	adaptation.	
		complex overt response.	
		mechanism.	
	D.	origination.	
14.		ch one of the following is not a constructivist theory?	
		Knowledge is constructed from (and shaped by) experience.	
	ъ. С	Learning is a personal interpretation of the world. Learning is an active process.	
		Learning reads to focus on overall concepts and isolated facts.	
15.	The patern	olan, which ensures that the content of the syllabus provided by a certain period; for instance m; is taught within that period is called	
		expanded scheme of learning.	
		lesson notes.	
		lesson plan.	
	D.	scheme of learning.	
16.	educ	pre-determined level of knowledge, skill and/or attitude that a learner attains by a set of ation is referred to as	
		exemplar.	
		indicator.	
	D.	strands.	
17.		dy of skills that teachers at all levels should seek to develop in their learners are	
	B.	core competencies. plenary.	
	C.	* v	
		starter.	
18.		ch one of the following is not a behaviourist?	
		B. F. Skinner	
		Ivan Pavlov	
	C.		
	D.	Thorndike	
19.		support and guidance which clearly explains the expected outcomes of an indicator and	
		ests what teaching and learning activities could take, to support the facilitators/teachers in	
		elivery of the curriculum is	
		content.	
		exemplar.	
		learning indicator.	
	D.	performance indicator.	

20.	 The option that depicts the deductive learning approach is A. Hypothesis> Observation> Theory> Confirmation. B. Observation> Hypothesis> Confirmation C. Theory> Confirmation> Observation> Hypothesis D. Theory> Hypothesis> Confirmation
For	items 22 to 30, write the appropriate responses in the spaces provided.
21.	The process of placing a collection of objects or events in categories based on similar characteristics is termed
22.	Assessing the result of an experiment and finding conclusions or inferring conclusions from the experiment to determine whether the results confirm one's prior predictions or not is referred to as
23.	Teaching is to be considered in terms of various steps, the different steps constituting the process are called the
24.	The description of a process that attempts to modify behaviour through the use of positive and negative reinforcement is termed as
25.	The psychology of learning which emphasizes human cognition or intelligence as a special endowment enabling man to form hypotheses and develop intellectually is known as
26.	The ability of a learner to discriminate between relevant and irrelevant information can be classified as
27.	The method of teaching that involves a technique in which a teacher challenges his/her class with problems (questions) that stimulate creative thinking and lead to the development of new ideas among the learners is
28.	The combination of all the teaching aids that are necessary to enable the learner to engage in a specified useful activity is known as
29.	The description of the underlying behaviours for teaching, learning and assessment. In simple terms is called
30.	The method of learning science which is organized with structured learning activity and governed by rules with a specific goal and an element of fun which may involve competition is known as

AUGUST 2023 EBS 323 METHODS OF TEACHING PRIMARY SCHOOL 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) THIRD YEAR, END-OF-FIRST SEMESTER EXAMINATION, AUGUST 2023

17TH AUGUST 2023

METHODS OF TEACHING PRIMARY SCHOOL SCIENCE

9:40 AM - 11:00 AM

SECTION B [60 MARKS]

Answer THREE questions in all; Question 1 and any other TWO questions.

1. With reference to the information provided below, that is:

Strand: SYSTEMS

Sub-strand: THE HUMAN BODY SYSTEM

Content standard: Recognise that different parts of the human body work interdependently to perform a specific function.

Indicator: Explain that the external parts of the human body work interdependently to perform a function.

Performance Indicator: Learners engage in various activities and explain how the various parts of the body contribute to undertake the activity successfully.

You are to prepare a 30-minute lesson plan for Basic Stage three Learners of a class size of 45 learners using the daily lesson plan template.

(30 marks)

2.	a. b. c.	Explain two importance of classroom assessment. Enumerate and explain any four pedagogical implications to teaching and learning process in science.	(3 marks) (4 marks) (8 marks)
3.	a. b. c.	 i. Who is a Good Learner? ii. List four qualities of a good learner. With the aid of a diagram explain inductive learning. Mention three teaching competencies expected of a science teacher. 	(2 marks) (4 marks) (6 marks) (3 marks)
4.	a. b. c.	What is Activity Method? Give two reasons why teachers ask questions. State and explain four reasons why a science teacher uses teaching aids in teaching.	(3 marks) (4 marks) (8 marks)
5.	a. b.	Management. State and explain three reasons why a science teacher should be capable of managing science lessons.	(4 marks) (6 marks) (2 marks) (3 marks)