

Default for EDU256

The default category for questions shared in context 'EDU256'.

Fill in the Blank (FBQs)

FBQ1

According to a renowned psychologist who propounded theory on stages of intellectual development, age 0 – 2 years stands for \_\_\_\_\_

\*Sensory-motor stage\*

1.0000000

\*Sensory - motor stage\*

1.0000000

FBQ2

Considering the stages of intellectual development of a renowned educational psychologist, age 2 – 7 years stands for \_\_\_\_\_

\*Pre-operational stage\*

1.0000000

\*Pre - operational stage\*

1.0000000

0.0000000

FBQ3

In the Piagetian theory of intellectual development, age 11 - 15 years stands for \_\_\_\_\_

\*Formal operational stage\*

1.0000000

0.0000000

FBQ4

A pre-verbal stage where the entire child's learning activities are based on seeing, sucking, tasting, touching and pushing can be simply called \_\_\_\_\_

\*Sensory Motor Stage\*

1.0000000

0.0000000

FBQ5

At what stage of Piaget intellectual development will a child speak clearly and use symbolic representation by drawing, writing and perform complex manipulation

\*Pre-Operational stage\*

1.0000000

\*Pre - Operational stage\*

1.0000000

FBQ6

At what stage of intellectual development will a child develop the idea of conservation of matter, length, weight, volume and concept of time and space

\*Concrete operational stage\*

1.0000000

0.0000000

FBQ7

According to Piaget theory of learning, at what stage will the child be able to engage in logical argument?

\*Formal operational stage\*

1.0000000

0.0000000

FBQ8

\_\_\_\_\_ is a general term that entails curriculum planning, instruction, measurement and evaluation

\*Teaching\*

1.0000000

0.0000000

FBQ9

Which of this list is not a method of teaching physics (i. demonstration, ii. discussion, iii. indoctrination, iv. discovery, v. project and field trip)

\*Indoctrination\*

1.0000000

0.0000000

FBQ10

\_\_\_\_\_ is the most popular teaching method that can be used for large class where students are passive and merely take notes.

\*Lecture method\*

1.0000000

0.0000000

FBQ11

In the absence of adequate laboratory facilities to aid physics practical in a large class, the teacher can result to \_\_\_\_\_ method

\*Demonstration method\*

1.0000000

0.0000000

FBQ12

\_\_\_\_\_ is the teaching method that emphasizes the scientific skills of observing, measuring, classifying, hypothesizing etc. in the physics laboratory

\*Discovery method\*

1.0000000

0.0000000

FBQ13

The teaching method where the learner construct his knowledge among his peers while the teacher moderates and guide is best described as \_\_\_\_\_ method.

\*Discussion method\*

1.0000000

0.0000000

FBQ14

The teaching method that adopt excursion outside the classroom can be described as \_\_\_\_\_

\*Field trip method\*

1.0000000

0.0000000

FBQ15

In your study of resources for teaching physics, \_\_\_\_\_ refers to those resources which appeal to sense of hearing.

\*Aural aids\*

1.0000000

0.0000000

FBQ16

The teaching resources which appeal to sense of sight, touch, and smell can be best described as \_\_\_\_\_ resources

\*Visual\*

1.0000000

0.0000000

0.0000000

FBQ17

In the classification of teaching resources in physics, sound film projector, television, computer are example of \_\_\_\_\_

\*Audio-Visual aids\*

1.0000000

\*Audio - Visual aids\*

1.0000000

FBQ18

Consider these criteria: Relevance, appropriateness, cost, availability, validity. Which of these is not relevant when selecting teaching resources in physics

\*Validity\*

1.0000000

0.0000000

FBQ19

The uniqueness of a child depends on these factors (socio-economic background, physiological structure, intelligence, interest, need) except \_\_\_\_\_ one. Which of these?

\*Physiological structure\*

1.0000000

0.0000000

0.0000000

FBQ20

A place where a wide range of educational materials, equipment and information are stored is called \_\_\_\_\_

\*Resources Centre\*

1.0000000

0.0000000

FBQ21

\_\_\_\_\_ is a systematic arrangement of a number of physics topics into a unit for a particular level of physics students

\*Curriculum\*

1.0000000

0.0000000

FBQ22

In a teaching-learning enterprise, what word will you use to describe the end product of physics instruction.

\*Objective\*

1.0000000

0.0000000

FBQ23

The common concepts in the definition of curriculum are objectives, subject matter, methodology and evaluation. Which of these concepts best describe the results of physics instruction?

\*Evaluation\*

1.0000000

0.0000000

FBQ24

Which concept describe the “How” physics instruction is delivered in the classroom

\*Methodology\*

1.0000000

0.0000000

FBQ25

\_\_\_\_\_ is the condensed outline or statement of the main topics of a course of study in physics which are drawn from broad curriculum.

\*Syllabus\*

1.0000000

0.0000000

0.0000000

FBQ26

\_\_\_\_\_ is the weekly arrangement of physics topics to cover a defined academic year.

\*Scheme of work\*

1.0000000

0.0000000

0.0000000

FBQ27

\_\_\_\_\_ is the daily guide to physics instruction.

\*Lesson plan\*

1.0000000

0.0000000

FBQ28

The stated objective that focus on what the physics teacher is going to do during the lesson is called \_\_\_\_\_ objective

\*Instructional\*

1.0000000

0.0000000

FBQ29

The objective that focus on what the learners should achieve at the end of the lesson is called \_\_\_\_\_

\*Behavioural objective\*

1.0000000

0.0000000

FBQ30

\_\_\_\_\_ can be defined as the product of force and displacement in the direction of the force.

\*Work done\*

1.0000000

0.0000000

0.0000000

FBQ31

A spring is stretched by 5cm by a force of 20N. Compute the work done on the spring.

\*100J\*

1.0000000

0.0000000

FBQ32

\_\_\_\_\_ is the philosopher that succeeded Plato

\*Aristotle\*

1.0000000

0.0000000

FBQ33

In what year was WAEC established?

\*1950\*

1.0000000

0.0000000

FBQ34

The credit for the popularization of science teaching in Nigeria in the year 1957 will be given to an association called \_\_\_\_\_

\*STAN\*

1.0000000

\*Science Teachers Association of Nigeria\*

1.0000000

FBQ35

In which state was the first Northern Government College situated?

\*Kaduna\*

1.0000000

0.0000000

0.0000000

Multiple Choice Questions (MCQs)

MCQ1

Science teacher must not present new materials during teaching unless the learner is ready. This is the implication of \_\_\_\_\_ theory of learning

Ausubel

1.0000000

Jerome Brunner

0.0000000

Jean Piaget™s

0.0000000

Robert Gagne™s

0.0000000

MCQ2

Which singular effort of the Russia plunged the world into re-evaluation of their science curriculum in the 1950s

The role of Russia in the World War II

0.0000000

The inauguration of Russia Nuclear Power

0.0000000

The launching of Satellite Sputnik I

1.0000000

StationThe cold war among USA, Germany, Britain and Russia in the early 1940s

0.0000000

MCQ3

\_\_\_\_\_ is not a process of science

philosophising

1.0000000

identifying problem

0.0000000

observation

0.0000000

hypothesizing

0.0000000

MCQ4

All the following described the scientific enterprise except \_\_\_\_\_

Passing judgement with little data to avoid error

1.0000000

objectivity while collecting, analysing

0.0000000

open-mindednesshumility and scepticism

0.0000000

evaluating and interpreting data

0.0000000

MCQ5

\_\_\_\_\_ is the part of the learner's cognitive structure which can provide for the interaction necessary for meaningful learning.

comprehension

0.0000000

receptor

0.0000000

cognition

0.0000000

Subsumer

1.0000000

MCQ6

Which of the following statements best describes science?

science is both a body of knowledge and the process of acquiring and refining knowledge

1.0000000

science is an ordered body of knowledge, in form of laws, theories and concepts

0.0000000

science is a group of exact non demonstrable facts and proven theories

0.0000000

science is the 'what' and 'why' of all things happening in our environment

0.0000000

MCQ7

At what stage will a child carryout some logical processes like observing, describing, classifying and measuring real objects?

pre " operational stage

0.0000000

post " operational stage,

0.0000000

concrete " operational stage

1.0000000

formal " operational stage

0.0000000

MCQ8

Which of these is not a curriculum project in the western world?

Ford-Cliff Biology Project

1.0000000

Harvard Project Physics

0.0000000

PhysicsIntegrated Science Project

0.0000000

Nuffield Secondary Science

0.0000000

MCQ9

What stage is characterized by freedom from reality?

pre " operational stage

0.0000000

formal " operational stage

1.0000000

concrete " operational stage

0.0000000

post " operational stage

0.0000000

MCQ10

The first to conceive the atomic theory and use the word atom was \_\_\_\_\_

Democritus (470 - 380 BC)

1.0000000

Thales (640 - 540 BC)

0.0000000

Empedocles (495 - 435 BC)

0.0000000

Plato (428 - 347 BC)

0.0000000

MCQ11

The science that was majorly regarded as conceptual science because it was not based on sound data was the \_\_\_\_\_

Asian science

0.0000000

Romans science

0.0000000

European science

0.0000000

Greeks science

1.0000000

MCQ12

Science as an enterprise as practised today was greatly influenced by the early ideas of \_\_\_\_\_

Greeks philosophers

1.0000000

Asian philosophers

0.0000000

European philosophers

0.0000000

Romans philosophers

0.0000000

MCQ13

The philosophers who initiated speculation and later logic as tools for systematic reasoning and the explanation of events and phenomenon in nature are from \_\_\_\_\_

Romans philosophers

0.0000000

Greeks philosophers

1.0000000

European philosophers

0.0000000

Asian philosophers

0.0000000

MCQ14

The development of science education in Nigeria was tied to the work of the colonial masters'™ twofold agenda namely: \_\_\_\_\_ and \_\_\_\_\_

trade and teaching

0.0000000

teaching and evangelism

0.0000000

trade and evangelism

1.0000000

education and evangelism

0.0000000

MCQ15

The first secondary school in Nigeria was established by the \_\_\_\_\_ in the year \_\_\_\_\_D

Methodist church, 1859

0.0000000

CMS, 1859

1.0000000

CMS, 1743

0.0000000

Methodist church, 1843

0.0000000

MCQ16

The \_\_\_\_\_ of science include knowledge in the form of concept, facts, generalizations, principle, rules and laws

Process

0.0000000

Motives

0.0000000

Product

1.0000000

Context

0.0000000

MCQ17

Which of these components is not inclusive in the definition of science?

---

context

1.0000000

motives and ethics

0.0000000

the method

0.0000000

product

0.0000000

MCQ18

Which philosopher of science criticised hypothetico-deductive interpretation of the growth of science?

Karl Popper

0.0000000

Keiesberger John

0.0000000

Thomas Kuhn

1.0000000

Ronald Brunner

0.0000000

MCQ19

Which of these is not necessarily an assumptions and basic principles, which a science teacher would hold in bringing up activities of the students

Parsimony

0.0000000

Casualty

0.0000000

Previous knowledge

1.0000000

Complementarity

0.0000000

MCQ20

A preparation room in the physics laboratory should be provided with the following EXCEPT \_\_\_\_\_

baton

1.0000000

gas

0.0000000

water

0.0000000

electricity

0.0000000

MCQ21

A principal characteristic of science is that \_\_\_\_\_

Facts if established are unchangeable

0.0000000

It consists of hypothesis

0.0000000

It is a body of laws

0.0000000

It is dynamic

1.0000000

MCQ22

Which of the following is not true about philosophy of science?

posting questions and the validity of the scientific knowledge

0.0000000

knowing how knowledge is fabricated

1.0000000

seeking rational answers relating to the nature of science

0.0000000

knowing how knowledge is acquired

0.0000000

MCQ23

The concept of pre-test in teaching-learning process can be best linked to \_\_\_\_\_  
theory of learning

Gagne

1.0000000

Brunner

0.0000000

Pavlov

0.0000000

Piaget

0.0000000

MCQ24

\_\_\_\_\_ proposed a hierarchy of learning where problem-solving is the highest level  
while the lower levels involved facts, concepts and generalization.

Pavlov

0.0000000

Thorndike

0.0000000

Gagne

1.0000000

Brunner

0.0000000

MCQ25

The cognitive psychologist that emphasized previous knowledge of learners is \_\_\_\_\_

Jerome Brunner

0.0000000

Ivan Pavlov

0.0000000

Robert Gagne

1.0000000

B.F. Skinner

0.0000000

MCQ26

The stage at which the child uses language to express the object is called

Ionic stage

0.0000000

Enactive stage

0.0000000

Symbolic stage

1.0000000

Platonic stage

0.0000000

MCQ27

At \_\_\_\_\_ the child will be able to deal with mental changes of objects but would not be able to manipulate the object directly

Ionic stage

1.0000000

Symbolic stage

0.0000000

Platonic stage

0.0000000

Enactive stage

0.0000000

MCQ28

The child's ability to manipulate the training materials directly by neuro-muscular effect activities is possible at \_\_\_\_\_ stage

Platonic stage

0.0000000

Enactive stage

1.0000000

Ionic stage

0.0000000

Symbolic stage

0.0000000

MCQ29

Brunner (1960) proposed two forms of discovery process. They are

Assimilation and accommodation

1.0000000

Representation and argumentation

0.0000000

Deduction and induction mode

0.0000000

Replication and duplication

0.0000000

MCQ30

According to Brunner, all these are human activities for learning except

Symbolic representation

0.0000000

Ionic representation

0.0000000

Enactive representation

0.0000000

Platonic representation

1.0000000

MCQ31

In 1967, The Harvard Project Physics developed the followings units of physics concept except\_\_\_\_\_

The triumph of mechanics

0.0000000

Light and electromagnetism

0.0000000

Quanta

1.0000000

Concept of motion

0.0000000

MCQ32

Which of these is not correct about science?

Science is about the future

0.0000000

Science is about Conjectures

1.0000000

Science is about intuition and deductions

0.0000000

Science is about logical reasoning

0.0000000

MCQ33

The science manpower project (1960) provides a definition of science that is most credible because:

Its main focus is about the dual nature of science

1.0000000

It is about the true nature of science and its processes

0.0000000

It projects science as an activity-based subject

0.0000000

It provides a historical background of science

0.0000000

MCQ34

Processes of science entails.....

Stating problems, hypothesizing, designing experiments, interpreting data and synthesizing theories

1.0000000

Stating problems solely,

0.0000000

Stating problems and hypothesizing speculating, philosophising, synthesizing.

0.0000000

None of these adequately qualifies it

0.0000000

MCQ35

\_\_\_\_\_ is the foreign curriculum body that supported the Biological Science Curriculum Project

National Science Foundation

1.0000000

Nuffield Secondary Science

0.0000000

Ford Foundation

0.0000000

Scottish Science Project

0.0000000