

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-mindedness humility 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 carry out 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 mastersâ€™ 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

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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

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0.0000000

MCQ29

Bruner (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 Bruner, 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

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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

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