

TELANGANA RESIDENTIAL EDUCATIONAL INSTITUTIONS RECRUITMENT BOARD TREI-RB

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Pedagogy of Physical Science 9th Aug 2023 Shift 2
Subject Name :	Pedagogy of Physical Science
Creation Date :	2023-08-09 15:43:45
Duration :	120
Total Marks :	100
Display Marks:	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No

Show Reports : No
Show Progress Bar : No

Pedagogy of Physical Science

Group Number : 1
Group Id : 59425355
Group Maximum Duration : 0
Group Minimum Duration : 120
Show Attended Group? : No
Edit Attended Group? : No
Break time : 0
Group Marks : 100
Is this Group for Examiner? : No
Examiner permission : Cant View
Show Progress Bar? : No

Pedagogy of Physical Science

Section Id : 59425363
Section Number : 1
Section type : Online
Mandatory or Optional : Mandatory
Number of Questions : 100
Number of Questions to be attempted : 100
Section Marks : 100
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Sub-Section Number : 1

Sub-Section Id : 59425377

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 1 Question Id : 5942535415 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Laws of science are

Options :

1. ✘ rigid and static
2. ✘ conjectural and theoretic
3. ✘ speculative and fixed
4. ✔ empirical and dynamic

Question Number : 2 Question Id : 5942535416 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following does NOT fit well with a scientific attitude?

Options :

1. ✘ Observing
2. ✔ Working hard

3. ✘ Analyzing

4. ✘ Communicating with clarity

Question Number : 3 Question Id : 5942535417 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which validity is getting violated when quantum mechanics is introduced in the high school level curriculum?

Options :

1. ✘ Content validity

2. ✔ Cognitive validity

3. ✘ Process validity

4. ✘ Ethical validity

Question Number : 4 Question Id : 5942535418 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and choose the correct answer:

Statement 1: The objectives at the primary stage are to nurture the curiosity of the child about the world.

Statement 2: At the upper primary stage, science should be introduced as separate disciplines, with emphasis on experiments/technology and problem solving.

Statement 3: At the secondary stage, students should be engaged in learning science as a composite discipline.

Options :

1. ✘ Statement 1 alone is correct whereas statements 2 and 3 are incorrect.
2. ✘ Statements 1 and 2 are correct whereas statement 3 is incorrect.
3. ✔ Statements 1 and 3 are correct whereas statement 2 is incorrect.
4. ✘ Statements 2 and 3 are correct whereas statement 1 is incorrect.

Question Number : 5 Question Id : 5942535419 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match the following

List-I

- A) Piaget
- B) Thorndike
- C) Pavlov
- D) Kohlberg

List-II

- i) Classical Conditioning
- ii) Moral Development
- iii) Trial and Error
- iv) Cognitive Development

Options :

1. ✔ A-iv, B-iii, C- i, D-ii

2. ✘ A-iv, B-i, C-ii, D-iii

3. ✘ A-ii, B-iii, C-iv, D-i

4. ✘ A-ii, B-iv, C-i, D-iii

Question Number : 6 Question Id : 5942535420 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and select the correct answer:

Statement 1: Science aims in exploring the natural world.

Statement 2: Learning by doing is mostly suitable in science teaching.

Options :

1. ✔ Both the statements are correct and statement 1 is the reason for statement 2

2. ✘ Both the statements are correct. But statement 1 is not the reason for statement 2

3. ✘ Statement 1 is correct and statement 2 is incorrect

4. ✘ Statement 2 is correct and statement 1 is incorrect

Question Number : 7 Question Id : 5942535421 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most important factor of child's social development.

Options :

1. ✘ Diet
2. ✘ Heredity
3. ✔ Environment
4. ✘ Gender

Question Number : 8 Question Id : 5942535422 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The act of 'cancelling the home work after the good performance in the class' is an example of

Options :

1. ✔ Negative reinforcement
2. ✘ Positive reinforcement
3. ✘ Punishment
4. ✘ Penalty

Question Number : 9 Question Id : 5942535423 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a characteristic of a good teacher?

Options :

1. ✘ Self-motivation to learn things
2. ✘ Progressive in nature
3. ✘ Following democratic principles
4. ✔ Very strict in classrooms

Question Number : 10 Question Id : 5942535424 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What is the age of concrete operational stage as per Piaget's model of cognitive development?

Options :

1. ✘ 0-2 years
2. ✘ 2-7 years
3. ✔ 7-11 years

4. ✘ 11-15 years

Question Number : 11 Question Id : 5942535425 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is an iconic-pictorial experiences as per the Edger Dale's cone of experiences?

Options :

1. ✘ Verbal symbols

2. ✘ Direct purposeful experiences

3. ✔ Demonstrations

4. ✘ Visual symbols

Question Number : 12 Question Id : 5942535426 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following are the some of the steps for scientific method as per Karl Pearson

- A) Observation
- B) Hypothesis
- C) Generalisation

Options :

1. ✘ A & B only
2. ✘ A & C only
3. ✘ B & C only
4. ✔ A, B & C

Question Number : 13 Question Id : 5942535427 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In the science class of Mr. Prakash there are four students A, B, C, and D. A always asks questions about the content that they are studying. B spends lot of time in reading the content. C remembers everything told by the teacher in the class. D memorises everything told by the teacher. Who learns science better?

Options :

1. ✔ A
2. ✘ B
3. ✘ C
4. ✘ D

Question Number : 14 Question Id : 5942535428 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A strategy for helping visualization of the relationships among different concepts- is known as,

Options :

1. ✘ Lesson plan

2. ✘ Unit plan

3. ✔ Concept map

4. ✘ Blue print

Question Number : 15 Question Id : 5942535429 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a science process skill?

Options :

1. ✘ Communicating

2. ✘ Inferring

3. ✘ Predicting

4. ✓ Remembering

Question Number : 16 Question Id : 5942535430 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is called as fundamental process skill of science?

Options :

1. ✘ Skill of hypothesising

2. ✘ Skill of questioning

3. ✓ Skill of observation

4. ✘ Skill of imagination

Question Number : 17 Question Id : 5942535431 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match each item of List I with that of List II and select the correct answer.

List-I		List-II	
A) Conceptual understanding	i)	Students are able to analyse the information and interpret it	
B) Asking questions and making hypothesis	ii)	Students are able to develop their own brain mappings	
C) Experimentation and field investigation	iii)	Students are able to guess the results of an issue with proper reasoning	
D) Information skills and project works	iv)	Students are able to suggest alternative apparatus	

Options :

1. ✘ A-iii, B-iv, C-i, D- ii

2. ✘ A-ii, B-iv, C-i, D-iii

3. ✘ A-iv, B-iii, C-ii, D-i

4. ✔ A-ii, B-iii, C-iv, D-i

Question Number : 18 Question Id : 5942535432 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

All the thermometers are working based on the property that matter expands on heating.
This comes under

Options :

1. ✘ Understanding

2. ✔ Synthesis

3. ✘ Analysis

4. ✘ Evaluating

Question Number : 19 Question Id : 5942535433 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The table made by a teacher for the analysis of the scores of a test is given below. Which type of analysis he is doing?

Question Number	LO	Number of students who answered correctly	% of attainment of LO

Options :

1. ✔ Objective wise analysis

2. ✘ Question type wise analysis

3. ✘ Unit wise analysis

4. ✘ Student wise analysis

Question Number : 20 Question Id : 5942535434 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is a characteristic of project method of science teaching?

Options :

1. ✘ It doesn't motivate a science student as there is no joy of discovery.
2. ✘ It is an individualised learning method where there is no scope for co-operative learning.
3. ✘ It involves very less work on the part of the teacher.
4. ✔ It helps to blend the school life with the outside world.

Question Number : 21 Question Id : 5942535435 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A teacher gives the following examples in the class.

- i) Earth revolves around the Sun.
- ii) Mercury revolves around the Sun.
- iii) Uranus revolves around the Sun.

These examples enable a student to the generalisation that all the planets revolves around the Sun. This method of teaching is,

Options :

1. ✘ Deductive method

2. ✓ Inductive method

3. ✗ Demonstration method

4. ✗ Lecture method

Question Number : 22 Question Id : 5942535436 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which method of teaching is defined as “a method of teaching which involves placing of children as far as possible in the attitude of a discoverer”?

Options :

1. ✗ Project method

2. ✓ Heuristic method

3. ✗ Inquiry method

4. ✗ Demonstration method

Question Number : 23 Question Id : 5942535437 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which is NOT an objective type of test item?

Options :

1. ✘ Multiple choice type
2. ✔ Essay type
3. ✘ Completion type
4. ✘ Matching type

Question Number : 24 Question Id : 5942535438 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

First phase of experiential learning is

Options :

1. ✘ abstraction
2. ✘ responsive observation
3. ✔ concrete experience
4. ✘ performing experiment

Question Number : 25 Question Id : 5942535439 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Permanent change in behaviour brought about by experience or training is called

Options :

1. ✘ Assimilation
2. ✘ Motivation
3. ✔ Learning
4. ✘ Adaptation

Question Number : 26 Question Id : 5942535440 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which curriculum strategy tries to give students more control over their education by allowing them to make decisions?

Options :

1. ✔ Learner centered
2. ✘ Society centered
3. ✘ Subject centered

4. ✘ Teacher centered

Question Number : 27 Question Id : 5942535441 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A good science curriculum should provide a child to explore the natural world and create his own knowledge. This is the principle of

Options :

1. ✔ Child centeredness

2. ✘ Individual interests

3. ✘ Totality of experiences

4. ✘ Elasticity and variety

Question Number : 28 Question Id : 5942535442 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An experience through imaginative or sympathetic participation in the experience of another is known as,

Options :

1. ✘ Direct experiences.

2. ✘ Indirect experiences.
3. ✔ Vicarious experiences.
4. ✘ Both direct and vicarious experiences.

Question Number : 29 Question Id : 5942535443 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is best suitable to awaken and maintain curiosity among learners?

Options :

1. ✔ Laboratory classes
2. ✘ Lectures
3. ✘ Assignments
4. ✘ Demonstrations

Question Number : 30 Question Id : 5942535444 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The generalisations based upon many direct observations and repeatable demonstrations which relate several concepts and are assumed to be true are known as,

Options :

1. ✘ Axioms
2. ✘ Scientific theories
3. ✔ Scientific principles
4. ✘ Scientific laws

Question Number : 31 Question Id : 5942535445 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A student studies that all metals are good conductors of electricity and heat. The student confirms this with iron, copper, aluminium, silver, and gold. The method followed here is,

Options :

1. ✘ Inductive method
2. ✔ Deductive method
3. ✘ Inducto- deductive method
4. ✘ Hypothetico- deductive approach

Question Number : 32 Question Id : 5942535446 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A student in a classroom has the following signs.

- i) Difficulty in identifying small details in pictures
- ii) Difficulty in reading letters of small points
- iii) Tilting head or squint eyes for better focus

What may be a probable reason for these?

Options :

- 1. ✘ The student is poor in reading
- 2. ✘ The student has escapism nature
- 3. ✔ The student may have visual impairment
- 4. ✘ The student may be a dull student

Question Number : 33 Question Id : 5942535447 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What does the 'validity' of a test mean?

Options :

- 1. ✘ The test gives almost equal average scores when administered on different groups which are all similar

2. ✓ The test measures what it actually intended to measure

3. ✗ The test gives similar results when administered in different situations

4. ✗ The test has practical value from the point of view of time, economy, and administration

Question Number : 34 Question Id : 5942535448 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is **NOT** a characteristic of an inclusive classroom?

Options :

1. ✗ Use multilingualism wherever needed

2. ✗ Provides equal opportunities for all

3. ✗ Sensitize towards the individual differences

4. ✓ Ensures that every child progresses at the same pace

Question Number : 35 Question Id : 5942535449 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement is most appropriate about inclusive education?

Options :

1. ✘ Educating children with special needs most of the time in regular classes
2. ✘ Educating children with special needs in special schools
3. ✘ Educating children with special needs in special classrooms of the school
4. ✔ Educating children with special needs full time in the regular classroom

Question Number : 36 Question Id : 5942535450 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The initiative of Ministry of Education (then MHRD) to provide education through the medium of television channels in which a group of 34 DTH channels are dedicated to telecast high- quality educational programmes is known as,

Options :

1. ✘ SWAYAM
2. ✔ SWAYAMPRAKASHA
3. ✘ e- PATHSHALA
4. ✘ e- YANTHRA

Question Number : 37 Question Id : 5942535451 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

One of the student in a classroom hardly speaks. What should be the correct strategy to tackle this issue?

Options :

1. ✘ Send student out of the class
2. ✘ Report to the principal
3. ✔ Organize activities in which the student will feel free to speak
4. ✘ Give student good marks

Question Number : 38 Question Id : 5942535452 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Dyslexia is associated with

Options :

1. ✔ Reading disorder
2. ✘ Mental disorder

3. ✘ Behavioural disorder

4. ✘ Emotional problems

Question Number : 39 Question Id : 5942535453 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the statement which is **NOT** correct?

Options :

1. ✘ ICT consists of several modern teaching aids

2. ✘ ICT helps in better learning

3. ✘ ICT reduces the physical labour of a teacher

4. ✔ ICT substitutes a teacher

Question Number : 40 Question Id : 5942535454 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

MOOCs is an abbreviation for

Options :

1. ✔ Massive Open Online Courses

2. ✘ Massive Online Open Courses
3. ✘ Modulated Open Online Courses
4. ✘ Modulated Oriented Online Courses

Question Number : 41 Question Id : 5942535455 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a feature of the non-formal education?

Options :

1. ✔ It makes use of the means such as online courses, television etc.
2. ✘ It has no specific goals
3. ✘ It is not structured and it is not planned
4. ✘ It is given inside the formal education system

Question Number : 42 Question Id : 5942535456 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Some of the steps of curriculum development are given below.

- A) Selection of teaching- learning experiences
- B) Implementation of the teaching- learning experiences
- C) Formulation of objectives
- D) Assessment of objectives

Choose the correct order

Options :

- 1. ✓ C, A, B, D
- 2. ✗ C, D, A, B
- 3. ✗ D, C, A, B
- 4. ✗ C, B, A, D

Question Number : 43 Question Id : 5942535457 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Syllabus is

Options :

- 1. ✗ A sum total of all the experiences a child gets from school
- 2. ✓ An outline of the topics of a subject to be covered in a specific time
- 3. ✗ A document used as a standard for studying a subject
- 4.

✘ A compact compilation of facts, principles, theories, and data related to the subject

Question Number : 44 Question Id : 5942535458 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT an ICT tool for teaching physical science?

Options :

1. ✘ Word Processor

2. ✘ A graphic software

3. ✔ A spectrometer

4. ✘ A digital camera

Question Number : 45 Question Id : 5942535459 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is an input source for an ICT Educational tool?

Options :

1. ✘ A projector

2. ✘ A television

3. ✘ A Monitor

4. ✔ A tablet

Question Number : 46 Question Id : 5942535460 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following are the essential factors influences while preparing the year plan?

- A) The Academic standards to be achieved
- B) The number of units to be taught in the subject
- C) Formative and Summative assessments
- D) Programmes to be conducted

Options :

1. ✘ A, B and C only

2. ✘ A, C and D only

3. ✘ B, C and D only

4. ✔ A, B, C and D

Question Number : 47 Question Id : 5942535461 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following may NOT be a conscious human memory?

Options :

1. ✘ Sensory Register

2. ✔ Non-declarative memory

3. ✘ Short term memory

4. ✘ Long term memory

Question Number : 48 Question Id : 5942535462 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following mind mapping tool is a free and open source software?

Options :

1. ✘ MindManager

2. ✔ Freeplane

3. ✘ MindMeister

4. ✘ MindView

Question Number : 49 Question Id : 5942535463 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT an active ICT tool used for learning?

Options :

1. ✘ Smartphone

2. ✔ Telephone

3. ✘ Television

4. ✘ Personal Computer

Question Number : 50 Question Id : 5942535464 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is closed educational resource software?

Options :

1. ✘ Google Classroom

2. ✔ Kindle

3. ✘ SWAYAM

4. ✘ Wikipedia

Question Number : 51 Question Id : 5942535465 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement/s is/are best suited for non-formal education?

- A) It is usually taken in a structured school environment.
- B) It is fixed and limited to a period meant for teaching and learning
- C) It is a continuous learning process

Options :

1. ✘ A and B only

2. ✘ A and C only

3. ✔ C only

4. ✘ B only

Question Number : 52 Question Id : 5942535466 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Improvised or purified logical thinking is known as

Options :

1. ✓ Skepticness
2. ✗ Open mindedness
3. ✗ Narrow mindedness
4. ✗ Scientific temper

Question Number : 53 Question Id : 5942535467 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement is true?

Options :

1. ✗ Non-formal education occurs in daily work, leisure or family.
2. ✗ Formal education results from a program and is not usually evaluated.
3. ✗ Informal education results from a program of instruction in an educational institution.
4. ✓ Informal education may have no specific learning purpose in mind.

Question Number : 54 Question Id : 5942535468 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If one is to take a class on physical and chemical changes to 12 years of age students, which key concept should be included in the plan of teaching?

Options :

1. ✘ Laws of motion
2. ✔ Change in state
3. ✘ Role of a catalyst
4. ✘ Flow of winds

Question Number : 55 Question Id : 5942535469 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and choose the correct answer.

Statement I : Concept attainment model was proposed by Asubel

Statement II : Discovery learning was proposed by Bruner

Options :

1. ✘ Only statement I is correct
2. ✔ Only statement II is correct

3. ✘ Both statements I and II are correct

4. ✘ Both statements I and II are incorrect

Question Number : 56 Question Id : 5942535470 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Informal assessments

Options :

1. ✘ are planned in advance by the evaluators

2. ✘ typically occur at the end of instruction

3. ✘ are known to learners

4. ✔ are spontaneous

Question Number : 57 Question Id : 5942535471 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement best describes the limitation of eBooks?

Options :

1. ✘ These are time saving versions for gathering information.
2. ✘ They ameliorate the burden of students' school bag.
3. ✘ These are flexible.
4. ✔ These require certain hardware and software to be installed.

Question Number : 58 Question Id : 5942535472 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following validities is NOT considered while making scientific observations?

Options :

1. ✘ Historical validity
2. ✔ Face validity
3. ✘ Environment validity
4. ✘ Content validity

Question Number : 59 Question Id : 5942535473 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match the following Lists I and II and choose the correct answer:

List I (Scientist)	List II (Discovery/Invention)
A) Wilhelm Rontgen	i) Scattering of light
B) Marie Curie	ii) Isolation of Polonium and Radium
C) Isaac Newton	iii) X-rays
D) C.V. Raman	iv) Laws of motion

Options :

1. ✘ A-i, B-ii, C-iii, D-iv

2. ✔ A-iii, B-ii, C-iv, D-i

3. ✘ A-iii, B-i, C-iv, D-ii

4. ✘ A-iii, B-i, C-ii, D-iv

Question Number : 60 Question Id : 5942535474 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is **NOT** the objective of teaching physical sciences?

Options :

1. ✘ Acquiring the skills

2. ✘ Developing the intellect

3. ✘ Generation of scientific knowledge

4. ✔ Deepening of the cultural understandings

Question Number : 61 Question Id : 5942535475 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statement is **NOT** true about the nature of physical sciences?

Options :

1. ✘ Physical Science is the study of the inorganic world.

2. ✘ Physical Sciences include Astronomy, Physics, Chemistry and the Earth sciences.

3. ✔ Physical Sciences includes study of the living world.

4. ✘ The laws of physical sciences are valid for all inanimate objects.

Question Number : 62 Question Id : 5942535476 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statement is true for IEDSS?

Options :

1. ✘ It stands for Indian Education for the Disabled in Secondary stage.
2. ✘ It stands for Indian Education for the Disabled in Senior Secondary stage.
3. ✔ It stands for Inclusive Education for the Disabled at Secondary stage.
4. ✘ It stands for Inclusive Education for the Disabled at Senior Secondary stage.

Question Number : 63 Question Id : 5942535477 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following pedagogical shifts has been recommended by the National Curriculum Framework – 2005?

Options :

1. ✘ Shorter and fewer assessments
2. ✘ Teacher's guidance and monitoring of learning
3. ✔ Multidisciplinary focus
4. ✘ Linear exposures

Question Number : 64 Question Id : 5942535478 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Skill can be developed by imitation. Imitation belongs to which domain?

Options :

1. ✘ Social
2. ✘ Cognitive
3. ✘ Affective
4. ✔ Psychomotor

Question Number : 65 Question Id : 5942535479 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In accordance with the recommendations of the NEP – 2020, Match the following Lists

I and II and choose the correct answer:

List I (Pedagogical Stage)	List II (Age range)
A) Middle Stage	i. 8 – 11 years
B) Secondary Stage	ii. 14 – 18 years
C) Foundation Stage	iii. 11 – 14 years
D) Preparatory Stage	iv. 3 – 8 years

Options :

1. ✘ A-i, B-ii, C-iii, D-iv
2. ✔ A-iii, B-ii, C-iv, D-i

3. ✘ A-iii, B-i, C-iv, D-ii

4. ✘ A-iii, B-i, C-ii, D-iv

Question Number : 66 Question Id : 5942535480 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

NEP-2020 proposes to set-up Performance Assessment, Review, and Analysis of Knowledge for Holistic Development (PARAKH) as a standard setting body. It is supposed to work as

Options :

1. ✔ National Assessment Centre

2. ✘ National Testing Agency

3. ✘ Online Examination Centre

4. ✘ State Examination Board

Question Number : 67 Question Id : 5942535481 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The objective of teaching science refers to:

Options :

1. ✘ A statement that indicates the desired transient achievement of the learner.
2. ✔ A statement that indicates the desired terminal ability of the learner.
3. ✘ An achievement that may not be measurable.
4. ✘ A description for the modifications in the behaviour of the learner.

Question Number : 68 Question Id : 5942535482 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statement correctly explains the Aims of science teaching?

Options :

1. ✘ Aims are specific and finite.
2. ✘ Aims necessarily need to be fully achieved.
3. ✘ Aims are to be achieved within a time limit.
4. ✔ Aims are long-term ventures.

Question Number : 69 Question Id : 5942535483 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statement correctly explains the Objectives of science education?

Options :

1. ✘ These are broad and indefinite.
2. ✘ These are general declarations.
3. ✔ These are topic specific.
4. ✘ These may not lead to achievement in content.

Question Number : 70 Question Id : 5942535484 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The science courses should NOT aim at:

Options :

1. ✘ developing an understanding of scientific terminology
2. ✘ developing rational thinking
3. ✔ encouraging narrow mindedness
4. ✘ providing relevant foundation for higher studies

Question Number : 71 Question Id : 5942535485 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following action verb correctly and best describes the 'recall of information' cognitive domain objective?

Options :

1. ✘ Summarise
2. ✘ Prediction
3. ✘ Testing
4. ✔ Defining

Question Number : 72 Question Id : 5942535486 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

"A student is able to calibrate a mercury thermometer." It is an example of

Options :

1. ✔ Psychomotor domain
2. ✘ Affective domain
3. ✘ Application domain

4. ✘ Evaluation domain

Question Number : 73 Question Id : 5942535487 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In accordance with the Bloom's presentations, which one of the following objectives is at the highest level under affective domain?

Options :

1. ✘ Organising

2. ✘ Responding

3. ✘ Receiving

4. ✔ Characterising

Question Number : 74 Question Id : 5942535488 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT a method for effective science teaching?

Options :

1. ✘ Labelling

2. ✘ Making the concept maps

3. ✘ Reviewing

4. ✔ Rote Learning

Question Number : 75 Question Id : 5942535489 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT a criterion to assess the concept maps made by students?

Options :

1. ✘ Validity

2. ✘ Appropriateness

3. ✘ Extent of networking

4. ✔ Rigidity in ideas

Question Number : 76 Question Id : 5942535490 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

With which one of the following the disease 'Dyscalculia' is related?

Options :

1. ✘ Speaking correctly
2. ✘ Hearing properly
3. ✔ Doing mathematical calculations
4. ✘ Drawing different shapes

Question Number : 77 Question Id : 5942535491 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following programme may be least suitable for gifted children?

Options :

1. ✘ Special classes
2. ✘ Accelerated learning
3. ✘ Enrichment of material
4. ✔ Remedial Teaching

Question Number : 78 Question Id : 5942535492 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following tool is generally least used for the formative assessment in scholastic domain in science?

Options :

1. ✘ Project work
2. ✘ Lab Activity
3. ✔ Generating new questions
4. ✘ Slip test

Question Number : 79 Question Id : 5942535493 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following strategy is NOT a democratic teaching strategy?

Options :

1. ✔ Demonstration
2. ✘ Discovery
3. ✘ Project

4. ✘ Problem solving

Question Number : 80 Question Id : 5942535494 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Learning outcomes are envisaged to

Options :

1. ✘ change in teaching methods
2. ✔ change in learner's competencies
3. ✘ recognition of the subject matter
4. ✘ complete the content

Question Number : 81 Question Id : 5942535495 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT a trait of a creative learner?

Options :

1. ✘ Elaboration

2. ✘ Divergent thinking

3. ✔ Accuracy

4. ✘ Analysing

Question Number : 82 Question Id : 5942535496 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following terms is usually used to quantify the degree to which a learner attains a given ability?

Options :

1. ✘ Assessment

2. ✔ Measurement

3. ✘ Evaluation

4. ✘ Analysis

Question Number : 83 Question Id : 5942535497 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following are included in CCE as co-scholastic?

- A) Life skills
- B) Work education
- C) Visual and performing arts

Options :

- 1. ✘ A and B only
- 2. ✘ A and C only
- 3. ✘ B and C only
- 4. ✔ A, B and C

Question Number : 84 Question Id : 5942535498 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statements represents the characteristics of Continuous and Comprehensive Evaluation:

- A) Marks are necessarily replaced with the grades
- B) Learners' workload is increased
- C) All aspects of a learner are evaluated
- D) Fear of examination is reduced

Options :

- 1. ✘ A and D only
- 2. ✘ A, B and C only

3. ✓ A, C and D only

4. ✗ B, C and D only

Question Number : 85 Question Id : 5942535499 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following instruction method is learner-centric at the secondary stage?

Options :

1. ✗ Lecture method

2. ✗ Lecture cum demonstration method

3. ✓ Laboratory method

4. ✗ Demonstration method

Question Number : 86 Question Id : 5942535500 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A child remembering the names of Planets in the Solar system. It pertains to this objective.

Options :

1. ✓ Knowledge
2. ✗ Understanding
3. ✗ Application
4. ✗ Skill

Question Number : 87 Question Id : 5942535501 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The method to be used while teaching the topic “Parts of Periscope” is

Options :

1. ✗ Project method
2. ✗ Assignment method
3. ✗ Lecture method
4. ✓ Demonstration method

Question Number : 88 Question Id : 5942535502 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a theme in the syllabus of IX and X class physical science?

Options :

1. ✘ Moving objects
2. ✘ How things work
3. ✔ Magnetism
4. ✘ Natural Resources

Question Number : 89 Question Id : 5942535503 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The approach used to verify the Ohm's law is

Options :

1. ✔ Deductive approach
2. ✘ Inductive approach
3. ✘ Problem solving approach

4. ✘ Both deductive and inductive approaches

Question Number : 90 Question Id : 5942535504 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is **NOT** the part of three components of teaching learning process?

Options :

1. ✘ Objectives

2. ✔ Memory

3. ✘ Curriculum

4. ✘ Evaluation

Question Number : 91 Question Id : 5942535505 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and select the correct answer:

Statement I: In inductive approach, generalisations are drawn from particulars, principles from observed phenomena and values from instances.

Statement II: In deductive approach, learner proceeds from a general rule to a particular instance or from an abstract concept to concrete examples

Options :

1. ✘ Statement I is correct and Statement II is incorrect
2. ✘ Statement I is incorrect and Statement II is correct
3. ✔ Both Statements I and II are correct
4. ✘ Both Statements I and II are incorrect

Question Number : 92 Question Id : 5942535506 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

“If a student is given two magnets and few iron fillings and asked to determine anything about it.” The above sentence belongs to which classification of laboratory approach given below:

Options :

1. ✘ structured inductive experiments
2. ✘ deductive verification experiments
3. ✔ free exploration
4. ✘ unstructured exploration

Question Number : 93 Question Id : 5942535507 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT the aim of science club?

Options :

1. ✘ to arouse interest towards science
2. ✘ to popularise science among laymen
3. ✔ to develop irrational thinking
4. ✘ to develop heuristic ability (discovery)

Question Number : 94 Question Id : 5942535508 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and select the correct answer:

Statement I : Test is basically a tool

Statement II : Examination is the process

Options :

1. ✘ Only Statement I is correct
2. ✘ Only Statement II is correct
3. ✔ Both Statements I and II are correct

4. ✘ Both Statements I and II are incorrect

Question Number : 95 Question Id : 5942535509 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct order of phases of the concept mapping

- A) application
- B) presentation of abstraction
- C) propositional stage
- D) closure

Options :

1. ✔ A, C, B, D

2. ✘ B, C, A, D

3. ✘ A, B, C, D

4. ✘ D, C, B, A

Question Number : 96 Question Id : 5942535510 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following philosopher stated that “any number of observations consistent with a theory cannot prove the theory, but just one observation which goes against the predictions of the theory can falsify it.”

Options :

1. ✘ B.F. Skinner

2. ✘ Bohr

3. ✔ Karl Popper

4. ✘ Newton

Question Number : 97 Question Id : 5942535511 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement/s is/are the examples of 'facts' of science?

- A) The rainbow is always seen in a direction opposite to that of the Sun.
- B) A ball rolling on any surface comes to stop after some time.
- C) A prism cannot split the white light into 7 colours

Options :

1. ✘ A only

2. ✔ A and B only

3. ✘ A, B and C

4. ✘ C only

Question Number : 98 Question Id : 5942535512 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following are the learning indicators used to determine the achievement of the academic standard 'Conceptual understanding'?

- A) Collecting information
- B) Observing tables and comment
- C) Explaining concepts with suitable examples

Options :

1. ✘ A and B only

2. ✔ B and C only

3. ✘ A and C only

4. ✘ A, B, C only

Question Number : 99 Question Id : 5942535513 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which is NOT a theme that should be taught at higher secondary stage in 'Light'?

Options :

1. ✘ Performing experiment to draw $i - \delta$ curve

2. ✘ Deriving expression for the focal length of combination of lenses in contact

3. ✘ Evaluating suitability of spherical lenses for the construction of a microscope/telescope

4. ✔ Applying the understanding of the phenomenon of refraction to explain the blue colour of the sky

Question Number : 100 Question Id : 5942535514 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match the following:

List I(Teaching Method)	List II(Basic Principle)
A) 5-E learning Method	i) Example to rule
B) Deductive Method	ii) Pragmatism
C) Project Method	iii) Constructivist model
D) Inductive Method	iv) Rule to example

Options :

1. ✘ A – iv; B – iii; C – ii; D – i

2. ✔ A – iii; B – iv; C – ii; D – i

3. ✘ A – iii; B – iv; C – i; D – ii

4. ✘ A – iv; B – ii; C – i; D – iii