

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 Mathematics 10th Aug 2023 Shift 2
Subject Name :	Pedagogy of Mathematics
Creation Date :	2023-08-10 18:23:28
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 Mathematics

Group Number : 1
Group Id : 76469229
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 Mathematics

Section Id : 76469231
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 : 76469233

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 1 Question Id : 7646922802 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 two statements.

Statement A: Mathematical problems can be solved in a variety of ways by employing a variety of methods.

Statement B: Mathematics is a symbolic language that is always used with logic.

Choose the correct option.

Options :

1. ✘ A is true, B is false

2. ✘ A is false, B is true

3. ✘ Both A and B are false

4. ✔ Both A and B are true

Question Number : 2 Question Id : 7646922803 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 two statements.

A) A numeral is a symbol used to represent numbers.

B) A number can be represented by different numerals.

Choose the correct option.

Options :

1. ✓ A is correct and B is incorrect
2. ✗ B is correct and A is incorrect
3. ✗ Both A and B are correct
4. ✗ Both A and B are incorrect

Question Number : 3 Question Id : 7646922804 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 two statements.

- A) Axioms are rules in mathematics that are accepted as true without proof.
- B) A hypothesis is a statement or idea that provides a basis for a scientific observation.

Choose the correct option.

Options :

1. ✗ A is correct and B is incorrect
2. ✗ B is correct and A is incorrect
3. ✓ Both A and B are correct
4. ✗ Both A and B are incorrect

Question Number : 4 Question Id : 7646922805 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

Who is India's first world-renowned mathematician?

Options :

1. ✓ Aryabhata
2. ✗ Brahmagupta
3. ✗ Bhaskaracharya
4. ✗ Srinvasa Ramanujan

Question Number : 5 Question Id : 7646922806 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 book was written by Bhaskaracharya?

Options :

1. ✓ Lilavati
2. ✗ Dasageetika
3. ✗ Ganitapada
4. ✗ Kalakriya

Question Number : 6 Question Id : 7646922807 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 first ten digits of π in decimal part are

Options :

1. ✘ 3.1425734945

2. ✔ 3.1415926535

3. ✘ 3.1415962835

4. ✘ 3.2763519265

Question Number : 7 Question Id : 7646922808 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

Who invented the 'x and y' coordinate plane?

Options :

1. ✘ Carl Friedrich Gauss

2. ✘ Leonhard Euler

3. ✔ Rene Descartes

4. ✘ Georg Cantor

Question Number : 8 Question Id : 7646922809 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 phrase "Eureka!" is associated with

Options :

1. ✔ Archimedes

2. ✘ Plato

3. ✘ Socrates

4. ✘ Galileo

Question Number : 9 Question Id : 7646922810 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

Who is credited with discovering a mathematical pattern in which the previous two terms are added to get the next term?

Options :

1. ✘ Euler

2. ✘ Pascal

3. ✘ Pythagoras

4. ✔ Fibonacci

Question Number : 10 Question Id : 7646922811 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 title of G.H. Hardy's most famous work about his mathematical experiences?

Options :

1. ✘ My Life as a Mathematician

2. ✔ A Mathematician's Apology

3. ✘ Disquisitions Arithmetic

4. ✘ The Elements

Question Number : 11 Question Id : 7646922812 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/are the most important basis for the Curriculum?

Options :

1. ✘ Psychological based Education
2. ✔ Philosophy, Sociology and Psychology
3. ✘ Priorities of Society, Government and Resources
4. ✘ Study materials, Training facilities and Societal needs

Question Number : 12 Question Id : 7646922813 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 is most closely associated with school curriculum?

Options :

1. ✘ A child's overall development plan
2. ✘ Resources, materials for the learners
3. ✘ Collection of activities in the institutions
4. ✔ A totality of student learning experience through educational process.

Question Number : 13 Question Id : 7646922814 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 primary responsibility of the Mathematics Teacher is

Options :

1. ✓ To stimulate and guide pupil learning
2. ✗ To provide diagnostic and remedial aid wherever indicated
3. ✗ To develop the prescribed mathematics curriculum
4. ✗ To encourage conformity to adult demands and expectations

Question Number : 14 Question Id : 7646922815 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

“Mathematics is Civilization's Mirror.” Which value of Mathematics corresponds to this statement?

Options :

1. ✗ Disciplinary
2. ✗ Social
3. ✗ Moral
4. ✓ Cultural

Question Number : 15 Question Id : 7646922816 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 the aim of mathematics education to enable students to acquire and develop mathematical skills in order to meet the demands of daily life?

Options :

1. ✘ Disciplinary

2. ✔ Utilitarian

3. ✘ Social

4. ✘ Cultural

Question Number : 16 Question Id : 7646922817 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 related to the Social Aims?

Options :

1. ✘ To assist the student in the formation of social laws required for social harmony

2. ✘ To assist the student in the interpretation of social and economic phenomena

3. ✘ To assist the student in developing moral values in order to live a fruitful life in society

4. ✓ To foster constructive imagination and inventive abilities

Question Number : 17 Question Id : 7646922818 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

According to Bloom's Taxonomy, the correct sequence of objectives of the affective domain is

- A) Responding
- B) Valuing
- C) Organisation
- D) Characterisation
- E) Receiving

Options :

1. ✓ E, A, B, C, D

2. ✗ A, B, E, C, D

3. ✗ E, C, A, D, B

4. ✗ D, A, C, B, E

Question Number : 18 Question Id : 7646922819 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

According to the revised version of Bloom's Taxonomy, the highest level of cognitive learning is

Options :

1. ✘ Remember

2. ✘ Apply

3. ✘ Evaluate

4. ✔ Create

Question Number : 19 Question Id : 7646922820 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 domain of instructional objectives according to Bloom?

Options :

1. ✘ Cognitive Domain

2. ✘ Psychomotor Domain

3. ✔ Socio-Cultural Domain

4. ✘ Affective Domain

Question Number : 20 Question Id : 7646922821 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 ability of a child to use previously learned content to solve a problem in a new situation is referred to the following instructional objective

Options :

1. ✘ Analysis
2. ✘ Synthesis
3. ✘ Remember
4. ✔ Application

Question Number : 21 Question Id : 7646922822 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 difference between a square and a rectangle?” this question indicates the following objective.

Options :

1. ✔ Comprehension
2. ✘ Application
3. ✘ Evaluation
4. ✘ Analysis

Question Number : 22 Question Id : 7646922823 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 objective of Bloom's Cognitive domain is referred to the following question? "In ten days, a milkman sold 1500 litres of milk. How much milk did he sell in 25days?"

Options :

1. ✘ Knowledge
2. ✘ Comprehension
3. ✔ Application
4. ✘ Synthesis

Question Number : 23 Question Id : 7646922824 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

"Music is a modern secret exercise of a human being's subconscious mind related to arithmetic numbers." Which mathematical value is this statement related to?

Options :

1. ✘ Intellectual value
2. ✘ Cultural value
3. ✔ Artistic value

4. ✘ Social value

Question Number : 24 Question Id : 7646922825 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

Who Said, "Mathematics is the language in which God has written the Universe."?

Options :

1. ✘ Leonhard Euler

2. ✔ Galileo Galilei

3. ✘ Rene Descartes

4. ✘ Srinivasa Ramanujan

Question Number : 25 Question Id : 7646922826 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

Who Said, "Mathematics is the science that draws necessary conclusions."?

Options :

1. ✘ Bertrand Russel

2. ✘ Carl Friedrich Gauss

3. ✓ Benjamin Peirce

4. ✗ Immanuel Kant

Question Number : 26 Question Id : 7646922827 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

Mathematics is known as 'exact' science due to its

Options :

1. ✗ Logical Sequence

2. ✓ Precision and Accuracy

3. ✗ Systematic order

4. ✗ Generalisation and Classification

Question Number : 27 Question Id : 7646922828 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 number is a Hardy-Ramanujan Number?

Options :

1. ✓ 1729

2. ✖ 1728

3. ✖ 1279

4. ✖ 1278

Question Number : 28 Question Id : 7646922829 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 two statements.

Statement (A): In a Mathematics classroom, the teacher must provide students with a variety of experiences, such as group discussions, problem-solving exercises, mathematical games, and puzzles.

Statement (B): It is the school management responsibility to provide such activities that provide learners with first-hand experience in building mathematical knowledge.

Choose the correct option.

Options :

1. ✔ A is true, B is false

2. ✖ A is false, B is true

3. ✖ Both A and B are true

4. ✖ Both A and B are false

Question Number : 29 Question Id : 7646922830 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

According to Piaget, the development of hypothetical or deductive thinking will occur in

Options :

1. ✘ Sensory Motor Stage
2. ✘ Pre-operational Stage
3. ✘ Concrete Operational Stage
4. ✔ Formal Operational Stage

Question Number : 30 Question Id : 7646922831 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

According to Piaget, if a child knows $3 + 2 = 5$; but not $3 = 5 - 2$. Then, the child may be in the stage of

Options :

1. ✘ Sensory Motor
2. ✔ Pre-operational
3. ✘ Concrete Operational

4. ✘ Formal Operational

Question Number : 31 Question Id : 7646922832 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 stages is NOT matched correctly?

Options :

1. ✘ Object Permanence – Sensory Motor Stage

2. ✘ Egocentric – Preoperational Stage

3. ✘ Reversibility – Concrete Operational Stage

4. ✔ Conservation – Formal Operational Stage

Question Number : 32 Question Id : 7646922833 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

Amartya is shown three pencils and notices that pencil 'A' is longer than pencil 'B' and pencil 'B' is longer than pencil 'C'. Which of Jean Piaget's cognitive development characteristic does Amartya demonstrate when she infers that pencil 'A' is a longer than pencil 'C'?

Options :

1. ✘ Reflexive Thought

2. ✘ Symmetric Thought

3. ✔ Transitive Thought

4. ✘ Deductive Thought

Question Number : 33 Question Id : 7646922834 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 models is an indirect mathematical instructional strategy that employs a structured inquiry process and is based on Jerome Bruner's work?

Options :

1. ✘ Advanced Organiser Model

2. ✔ Concept Attainment Model

3. ✘ Inquiry Training Model

4. ✘ Information Processing Model

Question Number : 34 Question Id : 7646922835 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 which order do Jerome S Bruner's three stages of cognitive representation occur?

Options :

1. ✘ Enactive, Symbolic, Iconic
2. ✘ Iconic, Symbolic, Enactive
3. ✔ Enactive, Iconic, Symbolic
4. ✘ Iconic, Enactive, Symbolic

Question Number : 35 Question Id : 7646922836 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 the highest level of learning according to Gagne's learning hierarchy?

Options :

1. ✘ Concept Learning
2. ✘ Chain Learning
3. ✔ Problem Solving Learning
4. ✘ Rule Learning

Question Number : 36 Question Id : 7646922837 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

Determine the correct statement about Piaget's proposed ability to conserve different physical quantities in 'measurement.'

Options :

1. ✘ Conservation of volume is grasped before conservation of mass
2. ✘ Conservation of weight is grasped before conservation of number
3. ✘ Conservation of length is grasped before conservation of number
4. ✔ Conservation of weight is grasped before conservation of volume

Question Number : 37 Question Id : 7646922838 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 cannot distinguish between squares and rectangles and lumps them together. According to Van Hiele's theory of geometric reasoning, the child is placed at this level.

Options :

1. ✘ Analysis Level
2. ✘ Deduction Level
3. ✔ Visualisation Level

4. ✖ Axiomatic Level

Question Number : 38 Question Id : 7646922839 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

Given below are two statements

Statement I : Curriculum studies as a field of study deals with questions that arise at the intersection of an activity or knowledge and education, teaching, learning and socialisation.

Statement II: Curriculum studies is regarded as a disciplinary as well as an interdisciplinary field of study.

In light of the above statements, choose the most appropriate answer from the options given below

Options :

1. ✖ Statement I is correct but Statement II is incorrect
2. ✖ Statement I is incorrect and Statement II is correct
3. ✖ Both Statement I and Statement II are incorrect
4. ✔ Both Statement I and Statement II are correct

Question Number : 39 Question Id : 7646922840 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

Who is the proponent of experience centered theory?

Options :

1. ✘ Parker
2. ✘ Peterson
3. ✔ John Dewey
4. ✘ Frobel

Question Number : 40 Question Id : 7646922841 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 regarding with evaluation and choose the correct statements.

- A) Formative Evaluation considers a portion of the course content midway through the course and provides feedback.
- B) Formative Evaluation is the basis for course form and structure.
- C) Summative Evaluation considers the entire course content at the end of the course to make important decisions.
- D) Formative and summative evaluations are complementary.

Options :

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

4. ✘ B, C & D only

Question Number : 41 Question Id : 7646922842 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

Following are the steps of mathematics curriculum change. Arrange them in a correct sequential order.

- A) Re-examine the links between goals and course design
- B) Gather the data
- C) Brainstorm the major issues and available information
- D) Formulate, deliberate and assess possible reform models
- E) Analyse current teaching practices and learning goals

Choose the correct answer

Options :

1. ✘ D, E, A, B, C

2. ✘ B, C, D, E, A

3. ✘ A, B, C, D, E

4. ✔ E, A, B, C, D

Question Number : 42 Question Id : 7646922843 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 NRF's primary activities, according to NEP-2020 are

- A) Fund competitive peer-reviewed grant proposals of all types across all disciplines.
- B) Establish new research and innovation institutions.
- C) Serve as a liaison between researchers and relevant branches of government as well as industry.
- D) Include research in school curricula.

Choose the correct answer

Options :

1. ✘ A & B only

2. ✔ A & C only

3. ✘ B & C only

4. ✘ B & D only

Question Number : 43 Question Id : 7646922844 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 curriculum frameworks is the NEP2020 proposing to prepare?

- A) National Curriculum Framework for Art Education
- B) National Curriculum Framework for Culture Education
- C) National Curriculum Framework for Teacher Education
- D) National Curriculum Framework for Adult Education
- E) National Curriculum Framework for School Education

Choose the correct answer

Options :

1. ✘ A, B & C only

2. ✘ B, C & D only

3. ✔ C, D & E only

4. ✘ A, C & E only

Question Number : 44 Question Id : 7646922845 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 following are critical considerations for curriculum development. Arrange them in a logical sequence.

- A) Developing intended learning outcomes
- B) Proposing methods to achieve intended outcomes
- C) Assessing learner characteristics and needs
- D) Analyzing issue / problem / need
- E) Recognizing important and relevant content

Choose the correct answer

Options :

1. ✔ D, C, A, E, B

2. ✘ D, B, A, E, C

3. ✘ A, C, D, E, B

4. ✘ A, B, C, D, E

Question Number : 45 Question Id : 7646922846 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

Identify the type of word problem from the following:

“If Ravi has 12 pens and Raju has 8, how many fewer pens does Raju have than Ravi?”

Options :

1. ✘ Comparison Addition
2. ✔ Comparison Subtraction
3. ✘ Repeated Addition
4. ✘ Repeated Subtraction

Question Number : 46 Question Id : 7646922847 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

Determine the type of word problem from the following:

“How much is left if you take away 2 pencils from 5 pencils?”

Options :

1. ✘ Comparison Addition
2. ✘ Comparison Subtraction
3. ✘ Addition

4. ✓ Subtraction

Question Number : 47 Question Id : 7646922848 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

RBVP stands for

Options :

1. ✓ Rashtriya Bal Vaigyanika Pradarshini

2. ✗ Rashtriya Balala Vidya Pradarshini

3. ✗ Rashtriya Balikala Vidya Pragathi

4. ✗ Rashtriya Balala Vaigyanika Pragathi

Question Number : 48 Question Id : 7646922849 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 p and q are natural numbers, then $p \times q$ is a natural number as well. This numerical property under multiplication is known as

Options :

1. ✓ Closure Property

2.

✘ Commutative Property

3. ✘ Associative Property

4. ✘ Distributive Property

Question Number : 49 Question Id : 7646922850 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 $p + q = q + p$, and p and q are any two natural numbers.' This numerical property under addition is referred to

Options :

1. ✘ Closure Property

2. ✔ Commutative Property

3. ✘ Associative Property

4. ✘ Distributive Property

Question Number : 50 Question Id : 7646922851 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 employs which of the following strategies in which he or she explains concepts and students learn by observing?

Options :

1. ✘ Synthetic Method
2. ✘ Analytic Method
3. ✘ Experimental Method
4. ✔ Demonstration Method

Question Number : 51 Question Id : 7646922852 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 methods is intended to investigate the relationship between an independent and dependent variable under controlled conditions?

Options :

1. ✘ Inductive Method
2. ✘ Heuristic Method
3. ✔ Experimental Method
4. ✘ Project Method

Question Number : 52 Question Id : 7646922853 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 most appropriate strategy for internalising the skill of addition and subtraction related to money is

Options :

1. ✘ Use of 3D models
2. ✘ Use of Animation
3. ✘ Introspective Method
4. ✔ Role Play

Question Number : 53 Question Id : 7646922854 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

During one of the classroom activities, the teacher asked Ahalya, "What is the geometric shape of the matchbox?" She replied that it is cuboidal, what are Ahalya's mathematical abilities in this context?

- A) She is well-versed in the 3D shapes of Geometry.
- B) She knows very little about symmetry.
- C) She has 3-D Conceptual Knowledge
- D) She does not have ability to recognise the 2D shapes

Choose the correct answer

Options :

1. ✘ A & B only

2. ✓ A & C only

3. ✗ B & D only

4. ✗ B & C only

Question Number : 54 Question Id : 7646922855 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

“There are two factors in each Prime number.” What is the best method to demonstrate it at the primary level?

Options :

1. ✗ Analytic

2. ✗ Synthetic

3. ✓ Inductive

4. ✗ Deductive

Question Number : 55 Question Id : 7646922856 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 two statements.

- A) Teacher-centered instruction is based on the notion that the teacher is the primary authority in the learning environment.
- B) Learners run the classroom and supervise all activities in teacher-centered instruction.

Choose the correct option.

Options :

- 1. ✓ A is true, B is false
- 2. ✗ A is false, B is true
- 3. ✗ Both A and B are true
- 4. ✗ Both A and B are false

Question Number : 56 Question Id : 7646922857 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 describes the significance of drill and practise in mathematics learning?

- A) help in the automatization of mathematical facts, formula and skills through systematic and repeated practice
- B) provide encouragement for slow learners and average students
- C) help in increasing speed and accuracy in solving mathematics problem
- D) a good mechanism for the gifted students

Choose the correct answer

Options :

- 1. ✓ A, B & C only
- 2.

✘ A, B & D only

3. ✘ B, C & D only

4. ✘ D only

Question Number : 57 Question Id : 7646922858 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 two statements.

- A) In Small group instruction (SGI), there are groups that work with the teacher and also work independently on various activities.
- B) SGI allows teachers to work more closely with each student on a specific learning objective, reinforce skills learned in whole group instruction, and assess student comprehension.

Choose the correct option.

Options :

1. ✘ A is true, B is false

2. ✘ A is false, B is true

3. ✔ Both A and B are true

4. ✘ Both A and B are false

Question Number : 58 Question Id : 7646922859 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 context of student-centered learning, which of the following is correct?

- A) Enhances Engagement
- B) Promotes Spoon Feeding

Options :

1. ✓ A is correct and B is incorrect
2. ✗ B is correct and A is incorrect
3. ✗ Both A and B are correct
4. ✗ Both A and B are incorrect

Question Number : 59 Question Id : 7646922860 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 advantages of Project-Based Learning in Mathematics Learning?

- A) Learners are more engaged
- B) Learners acquire and practice metacognition skills
- C) Learners develop cooperation as well as social skills
- D) Learners can find a method for memorization.

Choose the correct answer

Options :

1. ✗ B, C & D only
2. ✓ A, B & C only

3. ✘ A, B & D only

4. ✘ A, C & D only

Question Number : 60 Question Id : 7646922861 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 encourages the use of “materials” as carefully curated learning objects?

Options :

1. ✔ Montessori Method

2. ✘ Heuristic Method

3. ✘ Project Method

4. ✘ Constructivist Method

Question Number : 61 Question Id : 7646922862 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

Given below are two statements

Statement I : Teachers use questions, problems, and scenarios to help students learn through individual thought and investigation in inquiry-based learning.

Statement II : Inquiry-based learning also emphasises allowing students to ask their own questions - essentially conducting their own investigation.

In light of the above statements, choose the most appropriate answer from the options given below:

Options :

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

Question Number : 62 Question Id : 7646922863 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

Following are the Herbartian's steps of lesson planning. Arrange them in a correct sequential order.

- A) Presentation
- B) Generalisation
- C) Application
- D) Association
- E) Preparation

Options :

1. ✘ D, E, A, B, C
2. ✔ E, A, D, B, C

3. ✘ A, B, C, D, E

4. ✘ C, A, B, E, D

Question Number : 63 Question Id : 7646922864 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 are the advantages of unit planning in mathematics education?

- A) It helps the teacher create a systematic and sequential content arrangement.
- B) It does not allow to better manage their classroom learning experiences.
- C) It contributes to a more balanced emphasis on various aspects of the course content and competencies under consideration.
- D) It may help with the unit-wise evaluation of children, as well as the organisation of remedial instruction and the implementation of enrichment measures as needed.

Options :

1. ✘ A, B & C only

2. ✘ B, C & D only

3. ✘ A, B & D only

4. ✔ A, C & D only

Question Number : 64 Question Id : 7646922865 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 logical sequence of the 5E Model of Mathematics Lesson plan from the options below.

Options :

1. ✘ Explore, Explain, Engage, Elaborate, Evaluate
2. ✔ Engage, Explore, Explain, Elaborate, Evaluate
3. ✘ Elaborate, Engage, Explore, Evaluate, Explain
4. ✘ Evaluate, Explore, Explain, Engage, Elaborate

Question Number : 65 Question Id : 7646922866 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 concept of delivering online lectures that students can view from home to supplement classroom instruction is known as

Options :

1. ✘ Flipped Learning
2. ✘ Face-to-Face Learning
3. ✔ Hybrid Learning
4. ✘ e-learning

Question Number : 66 Question Id : 7646922867 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 four pillars of flipped learning?

- A) Fixed Environment
- B) Flexible Environment
- C) Learning Culture
- D) Institutional Culture
- E) Intentional Content
- F) Professional Educator

Choose the correct answer

Options :

1. ✘ A, C, D, E

2. ✔ B, C, E, F

3. ✘ C, D, E, F

4. ✘ A, B, D, E

Question Number : 67 Question Id : 7646922868 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 two statements.

- A) ICT does not allow teachers to capitalise on the idea that it can help students visualise mathematical ideas and concepts.
- B) ICT can provide teachers and students with resources to help them focus on the learning objectives of the Curriculum rather than getting distracted by other issues.

Choose the correct option.

Options :

- 1. ✘ A is true, B is false
- 2. ✔ A is false, B is true
- 3. ✘ Both A and B are true
- 4. ✘ Both A and B are false

Question Number : 68 Question Id : 7646922869 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

Teachers must understand which technologies are appropriate for addressing specific subject matter.

This is related to

Options :

- 1. ✘ Content Knowledge
- 2. ✘ Technological Knowledge
- 3. ✔ Technological Content Knowledge

4. ✖ Pedagogical Content Knowledge

Question Number : 69 Question Id : 7646922870 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 two statements.

- A) Mathematics is an abstract subject, so it's critical to use a variety of teaching strategies and methods in the classroom to ensure that students understand the concepts as thoroughly as possible.
- B) To make difficult mathematical concepts easier to understand, using of teaching aids is not a good idea.

Choose the correct option.

Options :

- 1. ✔ A is correct and B is incorrect
- 2. ✖ B is correct and A is incorrect
- 3. ✖ Both A and B are correct
- 4. ✖ Both A and B are incorrect

Question Number : 70 Question Id : 7646922871 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 two statements.

- A) The mathematics laboratory is a place where anybody can experiment and explore teaching learning material.
- B) The maths lab provides an opportunity for the students to explore mathematics through doing.

Choose the correct option.

Options :

- 1. ✘ A is true, B is false
- 2. ✘ A is false, B is true
- 3. ✔ Both A and B are true
- 4. ✘ Both A and B are false

Question Number : 71 Question Id : 7646922872 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 examples of projected aids?

- A) Epidiascope
- B) Bulletin Board
- C) Photographs
- D) OHP
- E) LCD Projector
- F) Chalkboard

Choose the correct answer

Options :

- 1. ✘ A, C & D only

2. ✘ B, C & E only

3. ✔ A, D & E only

4. ✘ A, B & D only

Question Number : 72 Question Id : 7646922873 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 need and purpose of the Mathematics Laboratory?

Options :

1. ✘ It allows students to understand and internalise basic mathematical concepts through concrete objects and situations.

2. ✔ It promotes rote learning in the subject among students.

3. ✘ The laboratory allows students to demonstrate the relevance of mathematical concepts in everyday life.

4. ✘ The laboratory allows and encourages students to think, discuss with one another and with the teacher and assimilate concepts more effectively.

Question Number : 73 Question Id : 7646922874 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 two statements.

- A) A textbook assists the teacher in planning the lesson, selecting the problems to be solved, the methods of instruction to be used, and the teaching aids to be used.
- B) A good textbook presents a variety of worked out examples only on each topic.

Choose the correct option.

Options :

- 1. ✓ A is correct and B is incorrect
- 2. ✗ B is correct and A is incorrect
- 3. ✗ Both A and B are correct
- 4. ✗ Both A and B are incorrect

Question Number : 74 Question Id : 7646922875 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 describes the qualities of good mathematics textbook?

- A) Language used in the textbook should be simple and easy to understand.
- B) Subject matter should be arranged from complex to simple.
- C) Printing quality should be good and font should be readable.
- D) The size of the book should be big.
- E) Free from Prejudice

Choose the correct answer

Options :

- 1. ✗ B, C & D only
- 2. ✓ A, C & E only

3. ✘ B, D & E only

4. ✘ A, B & D only

Question Number : 75 Question Id : 7646922876 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 step-by-step and continuous assessment of student's learning is known as

Options :

1. ✔ Formative evaluation

2. ✘ Summative evaluation

3. ✘ Aptitude evaluation

4. ✘ Diagnostic evaluation

Question Number : 76 Question Id : 7646922877 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 two statements.

- A) A rubric is an effective grading tool that can assist instructors in grading students' work in a more consistent, dependable and unbiased manner.
- B) A well-designed rubric can assist students in identifying their strengths and weaknesses as well as being more objective about their own work quality.

Choose the correct answer.

Options :

- 1. ✘ A is true, B is false
- 2. ✘ A is false, B is true
- 3. ✘ Both A and B are false
- 4. ✔ Both A and B are true

Question Number : 77 Question Id : 7646922878 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 two statements.

- A) The Choice Based Credit System (CBCS) allows and encourages students to select a course from a list of prescribed elective, core and selective foundation subjects.
- B) The implementation of the Choice Based Credit system closes the door to choose interdisciplinary course.

Choose the correct answer.

Options :

- 1. ✔ A is true, B is false
- 2. ✘ A is false, B is true

3. ✘ Both A and B are true

4. ✘ Both A and B are false

Question Number : 78 Question Id : 7646922879 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 correct?

- A) An open-book examination is a type of examination in which students may use class notes, memory aids, textbooks or other approved material to answer questions.
- B) An open-book examination can assist students in focusing on applying available knowledge rather than memorising concepts to apply.

Options :

1. ✘ A is correct and B is incorrect

2. ✘ B is correct and A is incorrect

3. ✔ Both A and B are correct

4. ✘ Both A and B are incorrect

Question Number : 79 Question Id : 7646922880 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 type of evaluation helps to position the student into the right course?

Options :

1. ✓ Placement Evaluation
2. ✗ Process Evaluation
3. ✗ Formative Evaluation
4. ✗ Summative Evaluation

Question Number : 80 Question Id : 7646922881 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 type of evaluation is used to assess the achievement of a programme objectives?

Options :

1. ✗ Placement Evaluation
2. ✓ Outcome Evaluation
3. ✗ Impact Evaluation
4. ✗ Process Evaluation

Question Number : 81 Question Id : 7646922882 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 diagnostic test in mathematics is used to

Options :

1. ✓ Recognise the difficulties in children's understanding
2. ✗ Provide feedback to the parents
3. ✗ Understand the learner's accomplishments
4. ✗ Plan the question paper for the Annual examination

Question Number : 82 Question Id : 7646922883 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 two statements.

- A) Summative evaluation, which is conducted at the middle of a unit and allows a mathematics teacher to assess a student's mathematical understanding using standardised criteria.
- B) Summative assessment is used to assess students' understanding of the material presented at the end of the semester and is often measured with a grade or percentage, depending on the subject.

Choose the correct option.

Options :

1. ✗ A is true, B is false
2. ✓ A is false, B is true

3. ✖ Both A and B are true

4. ✖ Both A and B are false

Question Number : 83 Question Id : 7646922884 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 example of an open-ended question in mathematics?

Options :

1. ✖ What are the factors of 20?

2. ✔ Identify a set of five numbers with a median of six.

3. ✖ What is the sum of the interior angles of a triangle?

4. ✖ What is the perimeter of a rectangle with sides of 20 cm and 10 cm?

Question Number : 84 Question Id : 7646922885 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 example of an essay type question in mathematics?

Options :

1.

✘ What is the sum of all the angles in a triangle?

2. ✘ How many sides does a triangle have?

3. ✔ Define a straight line and prove that sum of any two sides of a triangle is greater than the third side.

4. ✘ List out the properties of square.

Question Number : 85 Question Id : 7646922886 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 gets the same 57 marks out of 100 from different examiners in a Mathematics test, this indicates which of the following evaluation characteristic?

Options :

1. ✘ Validity

2. ✔ Objectivity

3. ✘ Practicability

4. ✘ Reliability

Question Number : 86 Question Id : 7646922887 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

Mahesh is a gifted 9th grade mathematics student. Which of the following is not helpful for him to improve his mathematical abilities?

Options :

1. ✘ Assisting him in preparing for a competitive examination
2. ✔ Making him as a class monitor
3. ✘ Assisting him in the development of mathematical projects
4. ✘ Teaching him additional advanced topics

Question Number : 87 Question Id : 7646922888 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 notices that Babu does addition instead of subtraction and subtraction instead of addition in Mathematics Arithmetic Problems; what type of disability does Babu have?

Options :

1. ✘ Dysgraphia
2. ✘ Dystopia
3. ✘ Dyslexia
4. ✔ Dyscalculia

Question Number : 88 Question Id : 7646922889 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

Ravi misspells '53' as '35' and frequently confuses the letters 'b' and 'd'. These are the most important characteristics of

Options :

1. ✘ Dysgraphia
2. ✘ Dystopia
3. ✔ Dyslexia
4. ✘ Dyscalculia

Question Number : 89 Question Id : 7646922890 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 having difficulty in copying with a number from the board and is having trouble with an inconsistent space between numbers and symbols while writing, what is the nature of the student's disability?

Options :

1. ✔ Dysgraphia
2. ✘ Dystopia

3. ✖ Dyslexia

4. ✖ Dyscalculia

Question Number : 90 Question Id : 7646922891 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 measures apply to gifted students?

- A) Enriched Curriculum
- B) Assigning them Challenging tasks
- C) Remedial Teaching
- D) Encourage Self-directed learning

Choose the correct answer

Options :

1. ✖ A, B & C only

2. ✔ A, B & D only

3. ✖ B, C & D only

4. ✖ A, C & D only

Question Number : 91 Question Id : 7646922892 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 characteristics of gifted students from the following.

- A) Novelty in expression
- B) Curiosity
- C) Talkativeness
- D) Hyper Activeness

Choose the correct answer

Options :

1. ✓ A & B only

2. ✗ A & D only

3. ✗ B & C only

4. ✗ B & D only

Question Number : 92 Question Id : 7646922893 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 best thing you can do as a teacher when dealing with differently abled students is

Options :

1. ✗ To feel empathetic for him

2. ✗ To offer him financial assistance

3. ✗ Send him to a special school

4. ✓ To help him become self-reliant

Question Number : 93 Question Id : 7646922894 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 Class 8, a teacher distributed a newspaper and asked students to read the cricket scores of the Indian team in the match. The teacher then instructed them to create a bar graph of their scores. The teacher is attempting to

Options :

1. ✗ Teach them using a project-based approach.
2. ✓ Assist students in making connections between mathematical concepts and real life situation
3. ✗ Make the class enjoyable and communicative
4. ✗ Improve students' reasoning abilities

Question Number : 94 Question Id : 7646922895 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 important indicator of mathematical creativity?

Options :

1. ✗ Standardized Pattern of Problem Solving

2. ✘ Error-free Calculation

3. ✔ Problem Posing

4. ✘ Memorize and Recall of correct formula

Question Number : 95 Question Id : 7646922896 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 mathematical statement whose truth has been proven is referred to as a

Options :

1. ✔ Theorem

2. ✘ Axiom

3. ✘ Definition

4. ✘ Postulates

Question Number : 96 Question Id : 7646922897 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 National Education Policy 2020 lays emphasis on

Options :

1. ✘ Rote learning
2. ✘ Practice and Drill
3. ✔ Conceptual Understanding
4. ✘ Learning for exams

Question Number : 97 Question Id : 7646922898 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 new curricular structure in School Education according to NEP 2020?

Options :

1. ✘ 3+4+4+5
2. ✔ 5+3+3+4
3. ✘ 4+3+3+5
4. ✘ 5+4+3+3

Question Number : 98 Question Id : 7646922899 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 two statements.

- A) Mathematics club does not allow students to express themselves freely and does not supplement classroom learning.
- B) A Mathematics club plays an important role in motivating the students to learn mathematics with interest and involvement.

Choose the correct option.

Options :

- 1. ✘ A is correct and B is incorrect
- 2. ✔ B is correct and A is incorrect
- 3. ✘ Both A and B are correct
- 4. ✘ Both A and B are incorrect

Question Number : 99 Question Id : 7646922900 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

- A) Mathematical fairs provide a platform for students to experience the true practical value of mathematics
- B) Mathematical fairs are venues for mathematization of student's ideas.

Choose the correct answer:

Options :

- 1. ✘ A is correct and B is incorrect
- 2. ✘ B is correct and A is incorrect

3. ✓ Both A and B are correct

4. ✗ Both A and B are incorrect

Question Number : 100 Question Id : 7646922901 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

Find odd man out.

Options :

1. ✗ Range

2. ✗ Average Deviation

3. ✗ Standard Deviation

4. ✓ Median