

PREVIOUS YEAR PAPER

# CTET Paper I — 14 December 2024 (Set J)

CTET · 14 December 2024

138 of the paper's 150 questions · +1 for a correct answer, -0 for a wrong one · 150 minutes

Left out of the original paper: 12 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Central Board of Secondary Education's paper of 14 December 2024. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: [exambharo.com/ctet/previous-year-papers/ctet-2024-paper-1-14-dec-set-j/](https://exambharo.com/ctet/previous-year-papers/ctet-2024-paper-1-14-dec-set-j/)

## Child Development and Pedagogy

1. Mastery Oriented learners typically attribute success to \_\_\_\_\_ and failure to \_\_\_\_\_.

- (a) ability and good luck; low ability
- (b) ability and effort; insufficient effort
- (c) ability and good luck; task difficulty
- (d) ability and effort; bad luck

**Answer: (b)**

2. Assertion (A) : Scaffolding provided by the teachers hinders the learning process of children.

Reason (R) : Lev Vygotsky proposed that children learn independently by acting upon and manipulating the environment. Choose the correct option :

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (d)**

3. Assertion (A) : Teachers should distance themselves from students and place primary responsibility for learning on them only. Reason (R) : Learning takes place affectively in an authoritative rather than a democratic environment. Choose the correct option.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (d)**

4. In developmental terms, a time frame where an individual upholds an amplified sensitivity to particular incentives for developing particular skills to function in an efficient manner is referred to as \_\_\_\_\_ of development.

- (a) Critical period
- (b) Encoding period
- (c) Incentive period
- (d) Stimulus period

**Answer: (a)**

5. Dysgraphia is characterised by :

- (a) Lack of reading fluency
- (b) Repetitive behavioural patterns
- (c) Delayed motor skills
- (d) Difficulties in writing

**Answer: (d)**

6. Lawrence Kohlberg argued that :

- (a) moral development occurs progressively in stages.
- (b) there are gender differences in moral reasoning of children.
- (c) moral development in children occurs in a continuous manner.
- (d) there are cultural differences in moral reasoning of children

**Answer: (a)**

7. Children learn better if they experience :

- (a) High degree of anxiety to perform
- (b) Learned helplessness
- (c) Low level of alertness during activity
- (d) Moderate level of excitement to learn

**Answer: (d)**

8. Which of the following statement represents 'Proximodistal' principle of development ?

- (a) Children develop ability to grasp the ball before putting beads in thread.
- (b) Children develop ability to sit up before standing.
- (c) Development is multidirectional and discontinuous.
- (d) Identical twins living in different cultures can develop at different rates

**Answer: (a)**

9. According to Vygotsky children speak to themselves :

- (a) Because they are egocentric.
- (b) Because their thought is illogical.
- (c) To aid thought and for self-regulation.
- (d) To provide self-reinforcement when adults are ignoring them

**Answer: (c)**

10. According to Vygotsky's theory of learning and development, which of the following is an example of scaffolding ?

- (a) Providing a student with a reading assignment and asking them to answer questions independently.
- (b) Demonstrating a skill to a student and then having them master it on their own.
- (c) Breaking a task down into smaller steps and providing support as needed.
- (d) Providing a student with a grade for their work as motivation

**Answer: (c)**

11. Which of the following correctly describes extrinsic motivation ?

- (a) Motivation that comes from personal enjoyment of the task.
- (b) Motivation that comes from internal factors.
- (c) Motivation that comes from environmental consequences.
- (d) Motivation that comes from a sense of personal satisfaction

**Answer: (c)**

13. Assertion (A) : Children below the age of 5 - 6 years should not be pressurized to write 'properly' and 'within the lines'. Reason (R) : Children gain a control of finer motor skills from 5 - 6 years onwards. Choose the correct option.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (a)**

14. At which level of Kohlberg's moral development does individual's ethical behavior mainly depends on the mindset that "what do people think of me"?

- (a) Preconventional
- (b) Conventional
- (c) Postconventional
- (d) Non-conventional

**Answer: (b)**

15. Assertion (A) : Teachers should use multiple resources materials to cater to needs of students in an inclusive classroom. Reason (R) : Inclusive classrooms should adopt standardization of curricular materials as well as assessment strategies. Choose the correct option :

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (c)**

16. Children often come up with their own explanations of events around them. On being probed as to why does it rain Sia says - "God was tired of carrying the buckets of water on his shoulders". Such explanations :

- (a) Prove that children's thinking is much lesser than adults quantitatively.
- (b) Indicate that children have naïve understanding rooted in their cultural context with which they try to understand events.
- (c) Depict that children have an egocentric view and cannot consider other's viewpoint.
- (d) Illustrate that children are not capable of any reasoning

**Answer: (b)**

17. Piaget described cognitive development as occurring in :

- (a) Four qualitatively different stages
- (b) Three progressive levels
- (c) A continuous continuum
- (d) Four overlapping culture specific stages

**Answer: (a)**

18. Assertion (A) : Teacher should encourage boys of her class to participate in sports while assigning art decoration to girls. Reason (R) : Children acquire gender roles primarily because of the underlying biological differences. Choose the correct option.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (d)**

19. In order to cater to needs of students struggling with Attention Deficit Hyperactivity Disorder teachers should avoid :

- (a) Breaking the task into small easily manageable parts
- (b) Using multi-sensory materials
- (c) Creating distractions and making noises
- (d) Flexibility in curricular materials and instruction

**Answer: (c)**

20. Kinesthetic learners prefer to learn through \_\_\_\_.

- (a) doing and moving
- (b) listening
- (c) seeing
- (d) touching

**Answer: (a)**

21. During play time at school, Rishabh, a 7-year-old boy picked a doll to play with. Some of his peers made fun of him for his choice of toy. As a teacher who wants his students to grow up with gender role flexibility, which of the following would be the best response to the situation by the teacher ?

- (a) Let Rishabh play with doll and tell other children that they can also choose any toy of their choice.
- (b) Quietly take away the doll and give a car toy to Rishabh without saying anything.
- (c) Talk to Rishabh that dolls are suitable for girls and boys should not play with dolls.
- (d) Tell Rishabh that he should play with something else because his friends won't approve of him playing with doll

**Answer: (a)**

22. Assertion (A) : Effective teachers familiarize themselves with daily lives and socio-cultural backgrounds of learners. Reason (R) : Learning takes place in a social context. Choose the correct option.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (c) (A) is true but (R) is false.
- (d) Both (A) and (R) are false

**Answer: (a)**

23. Inclusion needs to be promoted through : (i) Flexible curriculum (ii) Cooperative learning (iii) Segregation and labelling (iv) Accessibility of building

- (a) (i) (ii) (iii)
- (b) (i) (ii) (iv)
- (c) (ii) (iii) (iv)
- (d) (i) (ii) (iii) (iv)

**Answer: (b)**

24. According to Jean Piaget a child who is unable to understand the logic behind simple mathematical reversals such as  $4+5=9$  so  $9-5=4$ , it is because of :

- (a) egocentrism
- (b) perceptual centration
- (c) animistic thinking
- (d) irreversibility

**Answer: (d)**

25. In the constructivist view :

- (a) Learning is extending and transforming the current understanding.
- (b) Learning is simply writing associations on the blank slates of our brains.
- (c) Individuals are passively influenced by environmental events.
- (d) Individuals are conditioned to learn new behaviours

**Answer: (a)**

26. In order to help students to become good problem solvers, a teacher should emphasize on the practice of :

- (a) breaking large complex problems into smaller manageable problems.
- (b) centering only on one particular piece of information related to problem.
- (c) focusing on information that confirms existing beliefs and preconceptions.
- (d) approaching problems in a particular fixed fashion

**Answer: (a)**

27. Meaningful learning is primarily NOT about :

- (a) constructing knowledge
- (b) developing skills
- (c) memorizing information
- (d) understanding the concept

**Answer: (c)**

28. Challenges in social communication are evident in :

- (a) Autism Spectrum Disorder
- (b) Learning Disabilities
- (c) Attention deficit hyperactivity disorder
- (d) Cerebral palsy

**Answer: (a)**

29. Two important cognitive development milestones of sensorimotor stage of Piaget's theory of cognitive development are :

- (a) Object permanence and deferred imitation
- (b) Reversibility of thought and hypothetic-deductive reasoning
- (c) Animism and Transformation
- (d) Classification and seriation

**Answer: (a)**

30. According to Howard Gardner while a scientist would exhibit high \_\_\_\_\_ Intelligence, a sculptor would have high \_\_\_\_\_ Intelligence.

- (a) Logical-mathematical; Bodily Kinesic
- (b) Spatial; Bodily Kinesthetic
- (c) Naturalistic; Spatial
- (d) Transductive; Spatial

**Answer: (a)**

## **| Mathematics**

31. The difference of the place values of 5 and 7 in the number 352876 is

- (a) 49930
- (b) 49993
- (c) 49997
- (d) 50007

**Answer: (a)**

32. Students feel difficulty in solving division problems because :

- (a) For solving division problems students need to know addition, subtraction and multiplication thoroughly .
- (b) Students do not like the sign of division.
- (c) Division problems have no utility in daily life.
- (d) There are no informal ways of solving division problems

**Answer: (a)**

33. The smallest four-digit number which is a multiple of 6, 7 and 4 is

- (a) 1000
- (b) 1002
- (c) 1006
- (d) 1008

**Answer: (d)**

34. Which of the following statements is NOT true with respect to the concept of Fractions ?

- (a) It represents a part of a whole which is greater than 1
- (b) The mathematical notation of a fraction can be represented as a division problem
- (c) It represents a part of a collection of same objects
- (d) The mathematical notation of a fraction can be represented as a ratio

**Answer: (a)**

35. Which of the following is most appropriate for introducing open ended questions in mathematics class ?

- (a) These questions take more time to solve
- (b) These questions are not easy to copy from each other
- (c) These questions develop critical thinking in students
- (d) Answers to these questions are not given in the book

**Answer: (c)**

36. Jasmine said, "A rectangle has two pairs of opposite sides parallel; a square also has two pairs of opposite sides parallel and so does a parallelogram. So, both rectangle and square are also parallelograms." Jasmine is at \_\_\_\_\_ stage of Van Hiele's theory of geometric thinking.

- (a) Analysis
- (b) Relationships
- (c) Formal Deduction
- (d) Visualization

**Answer: (b)**

37. What is the result when 7 kg 7 g is subtracted from 9 kg ? 9 kg

- (a) 1.3 kg
- (b) 1.993 kg
- (c) 1.93 kg
- (d) 1.093 kg

**Answer: (b)**

38. A triangle having all sides of different lengths is called :

- (a) An equilateral triangle
- (b) An isosceles triangle
- (c) A scalene triangle
- (d) A right triangle

**Answer: (c)**

39. A child solved a problem :  $\frac{2}{3} + \frac{3}{5}$ . What is the most appropriate inference drawn from the solution ?

- (a) Child does not know addition of numbers
- (b) Child does not know how to take L.C.M.
- (c) Child does not know how to represent fractions on number line
- (d) Child has extended the concept of addition of natural numbers to addition of fractions

**Answer: (d)**

40. A primary class mathematics teacher gave his students the following problem to solve : "How many classes of 28 pupils would be needed for a school of 616 pupils ?" One of the student solved the problem in the following way : 1 Class=28 Pupils  $10 \rightarrow 280$   $10 \rightarrow 280$   $560$   $2 \rightarrow 56$   $10+10+2=22$  Classes 616 Which of the following is most appropriate for the algorithm used by the student ?

- (a) The student has used the associative law of division across addition to solve the problem
- (b) The student has used the distributive law of division across addition to solve the problem
- (c) The student has used both the distributive and associative laws of division to solve the problem
- (d) The student has used an incorrect algorithm to solve the problem

**Answer: (b)**

41. Which of the following statements are true with respect to 'Data handling' ?

- (a) A graphical representation of data is easier to understand when there is a trend or comparison to be shown.
- (b) A bar graph displays data that changes continuously over periods of time.
- (c) A line graph is used to show comparison among categories of data.
- (d) A histogram is used to compare the parts of a whole

**Answer: (a)**

42. Which of the following is least appropriate about Formative Assessment in mathematics classrooms ?

- (a) To check the progress of students during instructional activities
- (b) To identify students' conceptual understanding
- (c) It helps to identify students' misconceptions
- (d) It provides cumulative evaluations that helps to rank children

**Answer: (d)**

43. The sum of the prime numbers between 31 and 60 is : 31

- (a) 221
- (b) 227
- (c) 280
- (d) 311 SPACE FOR ROUGH WORK /

**Answer: (c)**

44. A 3rd standard student, when asked to write one hundred and five in numeral form, s/he writes it as '1005'. This indicates that :

- (a) The student is a slow learner
- (b) s/he is mischievous
- (c) s/he needs more help in understanding the concept of place value
- (d) s/he is unfit to learn mathematics

**Answer: (c)**

45. Which of the following letters has two lines of symmetry ?

- (a) H
- (b) B
- (c) E
- (d) U

**Answer: (a)**

46. What is the most appropriate cognitive skill that helps students to recognize and group shapes according to their attributes and properties ?

- (a) Classification
- (b) Seriation
- (c) Conservation
- (d) Decomposition

**Answer: (a)**

47. The sum of the greatest and smallest six digit numbers that can be formed from the digits 5, 9, 0, 2, 8 and 6 (without repetition) is

- (a) 1292290
- (b) 1292209
- (c) 1192290
- (d) 1192209

**Answer: (d)**

48. Radha walks 3 km 725 m per day on Monday, Wednesday and Friday, whereas she walks 2 km 9 m per day on Tuesday and Thursday. Total distance covered by her from Monday to Friday is

- (a) 16.975 km
- (b) 16.202 km
- (c) 15.355 km
- (d) 15.193 km SPACE FOR ROUGH WORK /

**Answer: (d)**

49. The missing numbers in the pattern 12, 14, 17, 13, 8, 14, 21, \_, \_ are respectively

- (a) 15, 7
- (b) 12, 3
- (c) 14, 5
- (d) 13, 4

**Answer: (d)**

50. Which one of the following is the most effective way to introduce the concept of area to fourth graders ?

- (a) Tessellations
- (b) Abacus
- (c) Formula based method
- (d) Approximation and Estimation

**Answer: (a)**

51. The product of the predecessor of 201 and the successor of 4781 is : 201

- (a) 956200
- (b) 956400
- (c) 965560
- (d) 965650

**Answer: (b)**

52. According to National Education Policy 2020 Mathematics and Computational Thinking is to be given increased importance as :

- (a) It is the most difficult aspect of learning in school
- (b) It is foundational to human survival
- (c) It is foundational to evolving technologies like Artificial Intelligence (AI), machine learning and Data Science etc
- (d) It can be a substitute for a teacher

**Answer: (c)**

53. In class III, 150 children were asked to name their one favourite fruit and results for 5 favourite fruits were written in the form of the following table :  
Name of the Fruit | Number of Children  
Apple | 28  
Guava | 26  
Mangoes | 44  
Banana | 14  
Grapes | 28  
Choose the correct option :

- (a) The number of children who like Mangoes and Banana is two times the number of children who like Guava.
- (b) Ten children do not like any fruit given in the table.
- (c) Equal number of children have Apple and Guava as their favourite fruit.
- (d) The difference between the number of childrens who like grapes and those who like bananas is 16

**Answer: (b)**

54. According to National Curriculum Framework 2005 mathematics teachers need to shift towards :  
(a) Promoting memorization and rigorous algorithms (b) Mathematical reasoning and logic (c) Becoming sole authority for right answers Choose the correct option :

- (a) Only (a)
- (b) (a) and (b)
- (c) Only (b)
- (d) (b) and (c)

**Answer: (c)**

56. Which of the following has a definite length ?

- (a) a line
- (b) a line segment
- (c) a ray
- (d) a plane

**Answer: (b)**

57. How many planks of size 2 m × 35 cm × 8 cm can be made from a wooden block 8 m long, 70 cm wide and 40 cm thick ?

- (a) 50
- (b) 48
- (c) 45
- (d) 40 SPACE FOR ROUGH WORK /

**Answer: (d)**

58. Which of the following is NOT related to Indian mathematics ?

- (a) Lilavati
- (b) Charak Samhita
- (c) Surya Siddhant
- (d) Baudhayana Sulba Sutra

**Answer: (b)**

59. A person withdrew ₹ 4,560 from his bank account on 4th of a month and deposited ₹ 2,567 on 20th of the same month. If at the end of the month, balance is ₹ 3,125, then money (in ₹) at the start of the month in his account was

- (a) 4,998
- (b) 5,213
- (c) 5,128
- (d) 5,118

**Answer: (d)**

60. Most II graders are able to add two quantities like four candies and three candies, but when asked to do  $4+5$  on a worksheet a large number of the same set of learners is unable to do so. What is the most appropriate explanation of this observation according to National Curriculum Framework 2005 ?

- (a) Learners are not taught addition properly
- (b) Some learners are poor in mathematical skills
- (c) Learners are not interested in learning real-life mathematics
- (d) The learners are not ready for the use of abstract mathematical symbols

**Answer: (d)**

## **| Environmental Studies**

61. Lesson 13 in NCERT's Class V Environmental Studies textbook describes the amazing journey of "Gaurav Jani". This lesson is a part of which of the following themes ?

- (a) Family and Friends
- (b) Shelter
- (c) Interrelationship
- (d) Work and Play

**Answer: (b)**

62. The state/union territory having coast on the Bay of Bengal is :

- (a) Telangana
- (b) Andhra Pradesh
- (c) Karnataka
- (d) Kerala

**Answer: (b)**

64. Chapter 4 "Mangoes Round the Year" of NCERT Environmental Studies textbook has a story on making mango papad so that children not only understand the process and technique but also appreciate the skills of cooking and preservation. As per NCF 2005, which general objective of teaching EVS is being achieved through this lesson ?

- (a) To develop understanding with the help of observation and examples related to our experiences in place of abstraction.
- (b) To develop an understanding of how Aam papad is made.
- (c) To explain how much labor is needed to make an object.
- (d) To discuss how various things can be made from the natural environment

**Answer: (a)**

65. A teacher of Environmental Studies, while conducting an activity with some children, observes some important incidents and also makes a descriptive note of the same. Which of the following may be the tool of assessment ?

- (a) Rating Scale
- (b) Portfolio
- (c) Observation List
- (d) Anecdotal Records

**Answer: (d)**

66. Child describes different skilled work related to farming and their inheritance (from elders) in daily life. The above statement is :

- (a) Statement of competency
- (b) Learning outcome
- (c) Learning indicator
- (d) Learning objective

**Answer: (b)**

67. Consider the following statements A and B. Statement A : In 1969, Neil Armstrong was the first man to walk on the moon. Statement B : In 2007, Kalpana Chawla set a new record for the longest space flight by a woman. Select the correct code from the following :

- (a) A and B both are correct
- (b) A and B both are wrong
- (c) A is correct but B is wrong
- (d) A is wrong but B is correct

**Answer: (c)**

68. Two Indian birds make nests which hang from the branches of trees or bushes. These two birds are :

- (a) Indian Robin and Weaver bird
- (b) Sun-bird and Tailor bird
- (c) Barbet and Sun-bird
- (d) Tailor bird and Indian Robin

**Answer: (b)**

69. A teacher in his environmental studies class divides the children into groups and asks them to collect some objects present in the school. After that he sits with the children and asks them to distribute those objects into different groups. Children divide objects into different groups on the basis of their properties. What could be the most appropriate purpose for the teacher to conduct this activity ?

- (a) At the primary stage, children learn better by interacting with each other.
- (b) By doing the activity, children make very few mistakes in understanding the definition and facts.
- (c) Activity strengthens the cognitive domain to a greater extent than the other domains of learning in children.
- (d) The activity develops the child's understanding of all the concepts

**Answer: (a)**

70. Mohan is a class V teacher of Environmental Studies. He writes the following activity on the blackboard in his class. "Find out about the availability of water at the time of your parents and grandparents and compare it with the current situation." For the above activity, which of the following strategies would be most appropriate ?

- (a) Discussion
- (b) Interview
- (c) Role Play
- (d) Project

**Answer: (d)**

71. In a constructivist EVS classroom, which of the following is NOT seen to be happening ?

- (a) Children are learning by doing activities with concrete objects.
- (b) Children's experiences are being respected.
- (c) Children are just solving familiar problems.
- (d) Children are using their experiences to make new connections between concepts

**Answer: (c)**

72. Read the Assertion and Reason properly. Assertion : An elephant herd has only female and baby elephants. Reason : Male elephants leave their herd after 14 - 15 years and move around alone.

Choose the correct answer from the following :

- (a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion
- (b) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion
- (c) Assertion is true but Reason is false
- (d) Assertion is false but Reason is true

**Answer: (a)**

73. It has been observed that some mistakes are made while observing the learning and progress of children. These mistakes may be the result of our biases. Which of the following information should not be recorded as a bias ?

- (a) Previous results related to the examination of any one subject and any area thereof.
- (b) Social background of the child.
- (c) Samples of the children's work in the portfolio.
- (d) Prior experiences regarding the ability and performance of the children

**Answer: (c)**

74. A person would not drown in the dead sea or a salty lake even if the person does not know how to swim. This is due to :

- (a) high density of sea water
- (b) low density of sea water
- (c) neither high nor low density of sea water
- (d) volume of sea water

**Answer: (a)**

75. Read the statements I and II. Statement I : Due to anaemia, children do not grow well, and their energy levels are low. Statement II : Anaemia affects both, children's physical as well as mental health. Choose the correct answer from the following :

- (a) Both I and II are true
- (b) Both I and II are false
- (c) I is true but II is false
- (d) I is false but II is true

**Answer: (a)**

76. A person boarded an express train on 30 January 2023 at New Delhi for Bangalore. The train departed from New Delhi at 17 : 00 hours and reached Bangalore at 17 : 00 hours on 31st January 2023. If the distance between New Delhi and Bangalore by train route is nearly 1776 km. The average speed of the train during this Journey was

- (a) 74 km/hr
- (b) 80.72 km/hr
- (c) 77.21 km/hr
- (d) 71.04 km/hr

**Answer: (a)**

77. Read the Assertion (A) and Reason (R) carefully - Assertion (A) : The goats from which the soft pashmina wool is collected are found on very high altitudes of 5000 meters in extreme cold. Reason (R) : A coat of warm hair grows on goats body which protects it from extreme cold. Choose the correct option from the following :

- (a) Both (A) and (R) are true and (R) explains (A)
- (b) Both (A) and (R) are true but (R) does not explain (A)
- (c) (A) is true but (R) is false
- (d) (A) is false but (R) is true

**Answer: (a)**

78. Read the following statements and choose the correct option. Assertion (A) : Biomass and Fossil Fuels are the two main conventional sources of energy. Reason (R) : Conventional sources are those which are renewable in nature.

- (a) Both (A) and (R) are true
- (b) Both (A) and (R) are false
- (c) (A) is true, but (R) is false
- (d) (A) is false, but (R) is true

**Answer: (c)**

79. Siddhi is a teacher of class 4. She takes all the children of her class to the playground to play Kabbadi, while teaching them lesson 10 "Hu tu tu, hu tu tu" of the NCERT Environmental Studies textbook. Before playing the game, she also explains the rules of this game to all the children. Why does the teacher tell the children the rules before playing this game ? Which of the following may be the most appropriate reason ? (A) She wants to draw the attention of the children that in life like in sports, we make rules. (B) So that all the work is done properly. (C) We are all bound by the rules in the same way in the society by which we settle differences and conflicts among ourselves. (D) By making rules, the attention of all children is much more on the rules than on the game.

- (a) (A), (B) and (C)
- (b) (A) and (B)
- (c) (C) and (D)
- (d) (A) and (D)

**Answer: (a)**

80. Select the correct match from the following :

- (a) Kathak - Karnataka
- (b) Bihu - Assam
- (c) Lavani - Tamil nadu
- (d) Bharatnatyam - Odisha

**Answer: (b)**

81. Read the statements A and B carefully - Statement A : During the cold season lizards go into a long and deep sleep. Statement B : Some animals go into a long, deep sleep in certain seasons. Choose the correct answer from the following :

- (a) Both 'A' and 'B' are correct and 'B' explains 'A'.
- (b) Both 'A' and 'B' are correct but 'B' does not explain 'A'.
- (c) 'A' is correct but 'B' is incorrect.
- (d) 'A' is incorrect but 'B' is correct

**Answer: (a)**

82. It is 10 A.M. now in India today, it is around noon of today in \_\_\_\_\_.

- (a) London
- (b) Karachi
- (c) Japan
- (d) Singapore

**Answer: (d)**

83. Which one of the following is a group consisting of elements only ?

- (a) Sodium, Brass, Potassium
- (b) Bronze, Copper, Aluminium
- (c) Steel, Iron, Zinc
- (d) Tin, Lithium, Sodium

**Answer: (d)**

84. What is the reason why tales and stories have been given an important place in the textbooks of Environmental Studies ? Which of the following may be the most appropriate reason ? (A) At the primary level, the teachers of Environmental Studies narrate tales and stories with interest, that is why they have been given an important place. (B) The use of stories has often been considered important in developing children's sensitivity to environmental issues. (C) Because children easily relate themselves to the characters of the story, that is why they have been given an important place in the textbooks. (D) Tales and stories are liked by the society, that is why they have been given an important place in the textbooks of the environment.

- (a) (A) and (D)
- (b) (B) and (C)
- (c) (C) and (D)
- (d) (A) and (B)

**Answer: (b)**

85. Cows have Short front teeth and Large and flat side teeth for which one of the following ?

- (a) Snipping grass and chewing grass respectively
- (b) Chewing grass and snipping grass respectively
- (c) Cutting grass and gnawing grass respectively
- (d) Gnawing grass and cutting grass respectively

**Answer: (a)**

86. In the following question, Assertion and Reason are followed. Read the statements carefully and choose the correct option from the following : Assertion : In the lessons of NCERT's Environmental Studies textbook, real incidents of common life, everyday problems and some burning problems related to today have been kept. Reason : Children should debate openly on all these problems, be aware of the problems, be sensitive to them and form a correct understanding.

- (a) Both Assertion and Reason are correct and Reason is the correct explanation of Assertion.
- (b) Assertion and Reason are correct but Reason is not the correct explanation of Assertion.
- (c) Assertion is true but Reason is false.
- (d) Assertion is false but Reason is true

**Answer: (a)**

87. Rakesh is a teacher of Environmental Studies of class V. He asks the children in his class to do an activity. In which, all children observe which "object floats in water and which sinks in water" ? After the activity some children ask the teacher why some objects sink in water and some objects float in water. What is the most appropriate thing a teacher should do in the following situation ? (A) The teacher should tell the children that this is happening because of the density. (B) Give each child the freedom to observe, record their observations, and interpret those observations. (C) Provide opportunity to each child to hypothesize, test and make activity based generalizations. (D) Teacher should say that the main reason for this you will understand in your higher classes.

- (a) (A), (B) and (C)
- (b) (B) and (C)
- (c) (C) and (D)
- (d) (A) only

**Answer: (b)**

88. In the following question, Assertion and Reason are followed. Read the statements carefully and choose the correct option from the following : Assertion : The curriculum of Environmental Studies is theme-based and each theme is interrelated. Reason : The main reason for keeping the syllabus of Environmental Studies theme-based is that it creates a deep understanding of each theme and each theme begins with questions.

- (a) Both Assertion and Reason are correct and Reason is the correct explanation of Assertion.
- (b) Assertion and Reason are correct but Reason is not the correct explanation of Assertion.
- (c) Assertion is true but Reason is false.
- (d) Assertion is false but Reason is true

**Answer: (a)**

89. In a child centered EVS classroom, which of the following activities would be LEAST likely to occur ?

- (a) Children will be seen actively working in a variety of activities.
- (b) The seating arrangement will be seen to change according to the activity of the children.
- (c) Children will also be seen sharing their experiences while discussing in the class.
- (d) Children will be seen in the classroom, listening to the teacher

**Answer: (d)**

90. How much time 'boiled milk' takes for digestion in the stomach ? Choose the correct answer from the following :

- (a) 2 hours
- (b) 3 hours
- (c) 4 hours
- (d) 5 hours

**Answer: (a)**

## **| Language I**

93. What did Mr. Upadhyay do after hearing the boys ?

- (a) He did not react at all.
- (b) He allowed them to go.
- (c) He talked to them and walked away.
- (d) He took them home for coffee.

**Answer: (d)**

94. Why were the boys sneaking away from the hostel ?

- (a) To watch a movie
- (b) To see a play
- (c) To have a stroll
- (d) To play football

**Answer: (b)**

95. Mr. Upadhyay's professional role in the institution was that of ...

- (a) an administrator
- (b) the principal
- (c) a teacher
- (d) the hostel warden

**Answer: (d)**

97. Which of the following statements is True/False ? (A) Mr. Upadhyay met the boys inside the hostel. (B) The boys were already getting late for the play.

- (a) Both (A) and (B) are False.
- (b) Both (A) and (B) are True.
- (c) (A) is True but (B) is False.
- (d) (B) is True but (A) is False.

**Answer: (d)**

98. Which of the following statements is True/False ? (A) The boys had purchased the tickets in advance. (B) Mrs. Upadhyay supported the boys in their endeavour.

- (a) Both (A) and (B) are True.
- (b) Both (A) and (B) are False.
- (c) (A) is True but (B) is False.
- (d) (B) is True but (A) is False.

**Answer: (a)**

100. What emotional state does 'kneeling' reflect ?

- (a) anxiety
- (b) jubilation
- (c) indifference
- (d) anger

**Answer: (a)**

101. Where is the 'sound' coming from ?

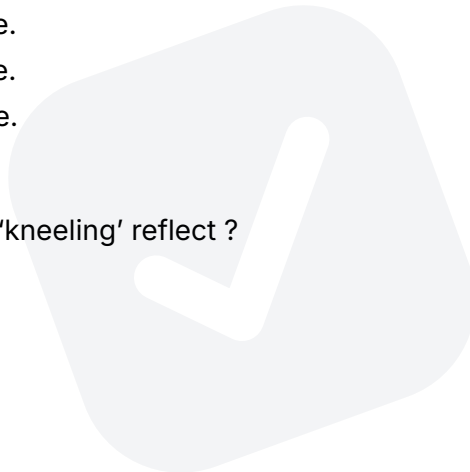
- (a) From a contingent of soldiers
- (b) From a market place
- (c) From a crowded street
- (d) From a group of commoners

**Answer: (a)**

102. The poem has been written in the form of ...

- (a) a ballad
- (b) a lyric
- (c) an elegy
- (d) an epic

**Answer: (a)**



103. Which literary device has been used in the expression 'scarlet soldiers' ?

- (a) alliteration
- (b) transferred epithet
- (c) simile
- (d) metonymy

**Answer: (b)**

104. The poem presents itself as a conversation...

- (a) among a group of people
- (b) between two persons
- (c) among three persons
- (d) in a crowd

**Answer: (b)**

105. Identify the rhyme scheme of these lines.

- (a) baba
- (b) abab
- (c) abcb
- (d) abdc

**Answer: (b)**

106. Which of the following features of human language enables humans to talk about things which are not present in immediate time and space ?

- (a) Displacement.
- (b) Arbitrariness.
- (c) Structure Dependence.
- (d) Discreteness.

**Answer: (a)**

107. Which of the following among Krashen's hypotheses is similar to Vygotsky's ZPD ?

- (a) Input hypothesis
- (b) Monitor hypothesis
- (c) Natural order hypothesis
- (d) Affective filter hypothesis

**Answer: (a)**

108. What is productive vocabulary ?

- (a) Words which are recognized as we hear.
- (b) Words noticed when we read beyond the lines.
- (c) Words that we use in writing and speaking.
- (d) Words which are new to the reader.

**Answer: (c)**

109. Which of the following is NOT a feature of the Grammar translation method of second language teaching ?

- (a) Comparing the grammatical rules of first and second language.
- (b) Learning and practicing the rules of grammar of the second language.
- (c) Communicating directly in second language and then comparing the rules of grammar of the two languages.
- (d) Focusing more on the form than the function of language.

**Answer: (c)**

110. A teacher asks her students to reflect on how they have answered an experience-based question she gave them and what and how they were thinking when they wrote that answer. This is an example of :

- (a) Metacognition.
- (b) Metaphor.
- (c) Metalingualism.
- (d) Metasemiotics.

**Answer: (a)**

111. In a speech community, it is observed that 's' is pronounced differently by two different socio-economic groups of speakers. This difference is an example of :

- (a) A socio-linguistic variable
- (b) A pragmatic variable
- (c) A socio-cultural variable
- (d) A socio-psychological variable

**Answer: (a)**

112. Mother tongue based multilingualism advocates that \_\_\_\_\_.

- (a) all children begin their schooling in their mother tongue or home language
- (b) all children begin their schooling in the language of the State
- (c) all children begin their schooling in English medium and in home language
- (d) all children study Hindi as their first language

**Answer: (a)**

113. Which of the following is NOT explained by the concept of Language Acquisition Device (LAD) ?

- (a) How children learn their first language.
- (b) How children are able to learn language within a short span of 4-5 years.
- (c) How children learn figurative language.
- (d) Why the linguistic output of children is more than the input they get

**Answer: (c)**

114. Which of the following is linguistically CORRECT about languages and dialects ?

- (a) Languages have written literature but dialects are only based on oral traditions.
- (b) Languages and dialects are linguistically different but geographically same.
- (c) Languages have their own script but dialects do not have their own script.
- (d) There is no well-defined linguistic difference between a language and dialect.

**Answer: (d)**

115. According to Cummins' interdependence hypothesis, which of these are interdependent on each other :

- (a) Comprehension and production in second language.
- (b) Cognitive academic proficiency in first and second language.
- (c) Reading and writing in second language.
- (d) Basic interpersonal skills in first and second language.

**Answer: (b)**

116. Which of the following DOES NOT justify starting reading skills with words and short story texts instead of letters and alphabets ?

- (a) Beginner readers can focus better on bigger units than smaller units.
- (b) Words and texts create meaningful associations which letters fail to do.
- (c) Words and texts are more interesting but letters are not.
- (d) Separate letters are more difficult to memorise than words.

**Answer: (a)**

117. Which of the following skills is NOT considered a mark of reading with comprehension ?

- (a) Focusing on individual letters/ alphabets.
- (b) Anticipating the content ahead.
- (c) Organizing and assessing the sequence of events or ideas.
- (d) Mentally summarising the text read till now.

**Answer: (a)**

118. Veera is a seven month old infant. She is now making vocalizations that combine consonants and vowels. She is communicating using which of the following ?

- (a) Phonemes.
- (b) Babbling.
- (c) Cooing.
- (d) Linguistic speech.

**Answer: (b)**

119. Mark the INCORRECT statement among the following, regarding text-comprehension strategies :

- (a) Skimming involves going through the text rapidly while scanning involves looking for specific facts.
- (b) Skimming is more about in-depth reading while scanning is more of cursory reading.
- (c) Skimming is more apt for reviewing while scanning helps more with answering particular questions.
- (d) Both skimming and scanning involve rapid eye movement through the text.

**Answer: (b)**

120. When children start using language to ask about things, events and phenomenon around them, which of the following functions of language is used more than the others ?

- (a) Imaginative.
- (b) Regulatory.
- (c) Informative.
- (d) Heuristic

**Answer: (d)**

## **| Language II**

121. Identify the word nearest in meaning to 'constrained'.

- (a) arrested
- (b) caught
- (c) confined
- (d) laid

**Answer: (c)**

122. What cultural show was being held in the town ?

- (a) A popular play
- (b) A dance performance
- (c) A classical music recital
- (d) A blockbuster movie

**Answer: (c)**

123. How did Taiji manage to get concessions for the girls ?

- (a) By arguing with Tauji
- (b) By persuading Tauji
- (c) By fighting with Tauji
- (d) By adopting an indirect approach

**Answer: (d)**

124. What was Tauji's duty as a family patriarch ?

- (a) To teach the youngsters
- (b) To keep a strict watch on the youngsters' activities
- (c) To get the youngsters married
- (d) To cook for the youngsters

**Answer: (b)**

125. By nature and beliefs, Tauji can be described as a/an...

- (a) conservative
- (b) liberal
- (c) anarchist
- (d) agnostic

**Answer: (a)**

126. Identify the tense of the given expression '..... had thus succeeded...'

- (a) Simple Past Tense
- (b) Past Perfect Tense
- (c) Simple Present Tense
- (d) Present Perfect Tense

**Answer: (b)**

130. The narrator left Baghdad because....

- (a) He was weary of the city
- (b) He was keen to visit another city
- (c) He did not want to live a lazy life
- (d) Both (1) and (3)

**Answer: (c)**

133. After realising that the ship had left, the narrator.....

- (a) felt amused
- (b) was shocked
- (c) was relieved
- (d) did not react

**Answer: (b)**

134. The 'White dome' finally turned out to be...

- (a) a massive egg
- (b) a royal palace
- (c) a place of worship
- (d) a luxurious mansion

**Answer: (a)**

135. What did the narrator do after reaching the island ?

- (a) He took endless strolls around the island.
- (b) He gathered fruits and flowers.
- (c) He chatted with his colleagues.
- (d) He sat down for a filling meal.

**Answer: (d)**

136. Which of the following is NOT a feature of communicative approach ?

- (a) More focus on form than function.
- (b) Contextualised use of language.
- (c) Discovering rules of grammar instead of teaching explicitly.
- (d) Developing communicative competence.

**Answer: (a)**

137. Reading or writing 'p' as 'b' or '6' as '9' is a common error among children with :

- (a) Stuttering.
- (b) Aphasia.
- (c) Anomia.
- (d) Dyslexia.

**Answer: (d)**

138. Which of the following is NOT an example of formative assessment ?

- (a) A series of oral and written tasks, role-play etc. throughout the session.
- (b) A term-paper at the end of the session.
- (c) A combination of a comprehensive written test and few other tasks scattered over a period of time.
- (d) Assessment strategies ranging from short tests to peer-reviews throughout the session.

**Answer: (b)**

139. Basic Interpersonal Communicative Skills is known as :

- (a) Higher order language skills.
- (b) Language of abstraction.
- (c) Language used for day-to-day communication.
- (d) Interlanguage.

**Answer: (c)**

140. Which of the following would not help in textual comprehension and vocabulary development ?

- (a) Word-maps.
- (b) Alphabet charts.
- (c) Theme-maps.
- (d) Picture dictionaries.

**Answer: (b)**

141. Which of these statements is CORRECT regarding the two major types of assessment ?

- (a) Formative assessment focuses on the form rather than function of learning.
- (b) Summative assessment is about the sum total of every form of assessment through the year.
- (c) Formative assessment goes on continuously through the learning phase.
- (d) Summative assessment is done before and during the learning phase.

**Answer: (c)**

142. When a beginner reader uses his/her general knowledge about the text theme, cultural aspects etc. to make sense of the specific textual content, it is called :

- (a) Top-down approach.
- (b) Top-up approach.
- (c) Bottom-up approach.
- (d) Bottom-down approach

**Answer: (a)**

143. A teacher teaching English as second language to Hindi-speaking students provides them contexts and opportunities to engage in little conversations in English without telling them explicit rules. She presents examples before them which they use in their conversations. Gradually, they come up with rules on their own with the help of the teacher. Which model/ approach do you think the teacher is following ?

- (a) Grammar translation method.
- (b) Audio-lingual method.
- (c) Communicative approach.
- (d) Direct method.

**Answer: (c)**

144. Error-analysis is important in order to look at the gaps in learning because :

- (a) Most errors are caused by callous attitude of the learners.
- (b) Errors are a window into the minds of the learners and their stage of learning.
- (c) Errors indicate a lack in the understanding of the learners.
- (d) Errors show extent of concept development and motivation.

**Answer: (b)**

145. Which one of the following is NOT true about an assessment ?

- (a) It provides a holistic view of the student's progress.
- (b) It presents concrete evidence of the student's performance.
- (c) It helps to evaluate the pace of a student's progress.
- (d) It can only be done by the teacher.

**Answer: (d)**

146. Which of the following DOES NOT help in creating an inclusive classroom ?

- (a) Peer-group interaction and feedback system.
- (b) Giving team-tasks.
- (c) Adopting a multilingual approach.
- (d) Having some students as monitors in the class.

**Answer: (d)**

147. Which of the following is NOT a desirable feature in children's literature ?

- (a) Animal characters.
- (b) Explicit moral values.
- (c) Big font size and familiar words.
- (d) Attractive pictures.

**Answer: (b)**

148. Which of the following is NOT considered a major domain of learning ?

- (a) Cognitive
- (b) Socio-cultural
- (c) Affective
- (d) Psychomotor

**Answer: (b)**

149. Which genre of stories are the most relevant to propagate multilingualism and multiculturalism ?

- (a) Folktales.
- (b) Autobiographies.
- (c) Science fiction.
- (d) Lengthy tale.

**Answer: (a)**

150. Which of the following is NOT true regarding the Monitor Hypothesis given by Stephen Krashen ?

- (a) It is used in the context of second language acquisition.
- (b) It is based on the relationship between acquisition and learning.
- (c) What is 'acquired' helps in monitoring what is 'learnt'.
- (d) The learner can only monitor if s/he has enough time and enough knowledge of the rules

**Answer: (c)**

## Answer key

Answer key from the Central Board of Secondary Education's official answer key for this sitting. "—" means the key gave none.

### Child Development and Pedagogy

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1  | (b) | 2  | (d) | 3  | (d) | 4  | (a) | 5  | (d) | 6  | (a) | 7  | (d) | 8  | (a) |
| 9  | (c) | 10 | (c) | 11 | (c) | 13 | (a) | 14 | (b) | 15 | (c) | 16 | (b) | 17 | (a) |
| 18 | (d) | 19 | (c) | 20 | (a) | 21 | (a) | 22 | (a) | 23 | (b) | 24 | (d) | 25 | (a) |
| 26 | (a) | 27 | (c) | 28 | (a) | 29 | (a) | 30 | (a) |    |     |    |     |    |     |

### Mathematics

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 31 | (a) | 32 | (a) | 33 | (d) | 34 | (a) | 35 | (c) | 36 | (b) | 37 | (b) | 38 | (c) |
| 39 | (d) | 40 | (b) | 41 | (a) | 42 | (d) | 43 | (c) | 44 | (c) | 45 | (a) | 46 | (a) |
| 47 | (d) | 48 | (d) | 49 | (d) | 50 | (a) | 51 | (b) | 52 | (c) | 53 | (b) | 54 | (c) |
| 56 | (b) | 57 | (d) | 58 | (b) | 59 | (d) | 60 | (d) |    |     |    |     |    |     |

### Environmental Studies

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 61 | (b) | 62 | (b) | 64 | (a) | 65 | (d) | 66 | (b) | 67 | (c) | 68 | (b) | 69 | (a) |
| 70 | (d) | 71 | (c) | 72 | (a) | 73 | (c) | 74 | (a) | 75 | (a) | 76 | (a) | 77 | (a) |
| 78 | (c) | 79 | (a) | 80 | (b) | 81 | (a) | 82 | (d) | 83 | (d) | 84 | (b) | 85 | (a) |
| 86 | (a) | 87 | (b) | 88 | (a) | 89 | (d) | 90 | (a) |    |     |    |     |    |     |

### Language I

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 93  | (d) | 94  | (b) | 95  | (d) | 97  | (a) | 98  | (a) | 100 | (a) | 101 | (a) | 102 | (a) |
| 103 | (b) | 104 | (b) | 105 | (b) | 106 | (a) | 107 | (a) | 108 | (c) | 109 | (c) | 110 | (a) |
| 111 | (a) | 112 | (a) | 113 | (c) | 114 | (d) | 115 | (b) | 116 | (a) | 117 | (a) | 118 | (b) |
| 119 | (b) | 120 | (d) |     |     |     |     |     |     |     |     |     |     |     |     |

### Language II

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 121 | (c) | 122 | (c) | 123 | (d) | 124 | (b) | 125 | (a) | 126 | (b) | 130 | (c) | 133 | (b) |
| 134 | (a) | 135 | (d) | 136 | (a) | 137 | (d) | 138 | (b) | 139 | (c) | 140 | (b) | 141 | (c) |
| 142 | (a) | 143 | (c) | 144 | (b) | 145 | (d) | 146 | (d) | 147 | (b) | 148 | (b) | 149 | (a) |
| 150 | (c) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |