

PREVIOUS YEAR PAPER

CTET Paper I — 14 December 2024 (Set K)

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-k/

Child Development and Pedagogy

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

Answer: (a)

2. Dysgraphia is characterised by :

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

Answer: (a)

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

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

Answer: (d)

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

Answer: (b)

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

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

Answer: (b)

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

Answer: (b)

8. Assertion (A) : Teachers should use multisensory 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 false.
- (b) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (c) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (d) (A) is true but (R) is false

Answer: (d)

9. In the constructivist view :

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

Answer: (b)

10. Kinesthetic learners prefer to learn through _____.

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

Answer: (b)

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

Answer: (a)

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

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

Answer: (c)

13. Piaget described cognitive development as occurring in :

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

Answer: (b)

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

Answer: (a)

15. According to Howard Gardner while a scientist would exhibit high _____ Intelligence, a sculptor would have high _____ Intelligence.

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

Answer: (b)

16. Which of the following correctly describes extrinsic motivation ?

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

Answer: (d)

17. Meaningful learning is primarily NOT about :

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

Answer: (d)

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

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

Answer: (b)

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

Answer: (a)

20. Challenges in social communication are evident in :

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

Answer: (b)

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

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

Answer: (b)

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

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

Answer: (b)

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

Answer: (b)

24. Lawrence Kohlberg argued that :

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

Answer: (b)

25. Children learn better if they experience :

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

Answer: (a)

26. Mastery Oriented learners typically attribute success to _____ and failure to _____.
- (a) ability and effort; bad luck
 - (b) ability and good luck; low ability
 - (c) ability and effort; insufficient effort
 - (d) ability and good luck; task difficulty

Answer: (c)

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

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

Answer: (d)

28. According to Vygotsky children speak to themselves :

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

Answer: (d)

29. 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) Non-conventional
- (b) Preconventional
- (c) Conventional
- (d) Postconventional

Answer: (c)

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

Answer: (c)

| Mathematics

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

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

Answer: (c)

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

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

Answer: (a)

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

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

Answer: (c)

34. 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 ? 8 m

- (a) 40
- (b) 50
- (c) 48
- (d) 45

Answer: (a)

35. Students feel difficulty in solving division problems because :

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

Answer: (b)

36. 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) 15.193 km
- (b) 16.975 km
- (c) 16.202 km
- (d) 15.355 km

Answer: (a)

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

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

Answer: (b)

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

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

Answer: (b)

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

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

Answer: (d)

41. Which of the following has a definite length ?

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

Answer: (c)

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

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

Answer: (b)

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

Answer: (d)

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

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

Answer: (b)

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

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

Answer: (d)

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

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

Answer: (b)

47. Which of the following is least appropriate for Formative Assessment in mathematics classrooms ?

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

Answer: (a)

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

Answer: (c)

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

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

Answer: (b)

50. 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) 5,118
- (b) 4,998
- (c) 5,213
- (d) 5,128

Answer: (a)

51. The missing numbers in the pattern 12, 14, 17, 13, 8, 14, 21, __, __ are respectively

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

Answer: (a)

52. 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) Visualization
- (b) Analysis
- (c) Relationships
- (d) Formal Deduction

Answer: (c)

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

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

Answer: (c)

54. 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) 1192209
 - (b) 1292290
 - (c) 1292209
 - (d) 1192290

Answer: (a)

55. 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 $2 \rightarrow 56 \rightarrow 10+10+2=22$ Classes 616 Which of the following is most appropriate for the algorithm used by the student ?

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

Answer: (c)

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

Answer: (a)

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

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

Answer: (d)

58. A child solved a problem : $\frac{2}{3} + \frac{1}{5} = \frac{7}{15}$. What is the most appropriate inference drawn from the solution ?

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

Answer: (a)

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

Answer: (d)

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

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

Answer: (d)

Environmental Studies

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

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

Answer: (b)

62. It is 10 A.M. now in India today, it is around _____ of today in _____.

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

Answer: (a)

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

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

Answer: (a)

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

Answer: (a)

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

Answer: (b)

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

Answer: (b)

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

Answer: (d)

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

Answer: (b)

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

Answer: (b)

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

Answer: (b)

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

Answer: (d)

72. Select the correct match from the following :

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

Answer: (c)

73. 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) Project
- (b) Discussion
- (c) Interview
- (d) Role Play

Answer: (a)

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

Answer: (b)

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

Answer: (b)

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

Answer: (c)

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

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

Answer: (b)

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

Answer: (c)

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

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

Answer: (d)

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

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

Answer: (a)

81. 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) 71.04 km/hr
- (b) 74 km/hr
- (c) 80.72 km/hr
- (d) 77.21 km/hr

Answer: (b)

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

Answer: (b)

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

Answer: (b)

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

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

Answer: (c)

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

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

Answer: (c)

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

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

Answer: (c)

87. 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 (B)
- (b) (A) and (D)
- (c) (B) and (C)
- (d) (C) and (D)

Answer: (c)

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

Answer: (b)

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

Answer: (d)

Language I

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

Answer: (b)

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

Answer: (a)

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

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

Answer: (a)

97. What did Mr. Upadhyay do after hearing the boy

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

Answer: (a)

98. How did Mrs. Upadhyay receive the boys at home ?

- (a) She was displeased with her husband for bringing them home.
- (b) She welcomed them.
- (c) She was unhappy to see them.
- (d) She received them coldly.

Answer: (b)

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

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

Answer: (b)

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

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

Answer: (c)

102. Where is the 'sound' coming from ?

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

Answer: (b)

103. What emotional state does 'kneeling' reflect ?

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

Answer: (b)

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

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

Answer: (c)

105. Identify the rhyme scheme of these lines.

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

Answer: (c)

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

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

Answer: (c)

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

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

Answer: (a)

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

Answer: (c)

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

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

Answer: (b)

110. What is productive vocabulary ?

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

Answer: (d)

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

Answer: (b)

112. Mark the INCORRECT statement among the following, regarding text-comprehension strategies :
- (a) Both skimming and scanning involve rapid eye movement through the text.
 - (b) Skimming involves going through the text rapidly while scanning involves looking for specific facts.
 - (c) Skimming is more about in-depth reading while scanning is more of cursory reading.
 - (d) Skimming is more apt for reviewing while scanning helps more with answering particular questions

Answer: (c)

113. Mother tongue based multilingualism advocates that _____.
- (a) all children study Hindi as their first language
 - (b) all children begin their schooling in their mother tongue or home language
 - (c) all children begin their schooling in the language of the State
 - (d) all children begin their schooling in English medium and in home language

Answer: (b)

114. Which of the following is NOT explained by the concept of Language Acquisition Device (LAD) ?
- (a) Why the linguistic output of children is more than the input they get.
 - (b) How children learn their first language.
 - (c) How children are able to learn language within a short span of 4-5 years.
 - (d) How children learn figurative language.

Answer: (d)

115. Which of the following is NOT a feature of the Grammar translation method of second language teaching ?
- (a) Focusing more on the form than the function of language.
 - (b) Comparing the grammatical rules of first and second language.
 - (c) Learning and practicing the rules of grammar of the second language.
 - (d) Communicating directly in second language and then comparing the rules of grammar of the two languages.

Answer: (d)

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

Answer: (a)

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

Answer: (b)

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

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

Answer: (b)

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

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

Answer: (b)

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

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

Answer: (b)

Language II

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

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

Answer: (d)

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

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

Answer: (d)

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

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

Answer: (c)

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

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

Answer: (c)

126. How did Taiji manage to get concessions for the _____s ?

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

Answer: (a)

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

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

Answer: (b)

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

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

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)

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

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

Answer: (a)

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

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

Answer: (c)

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

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

Answer: (c)

137. Basic Interpersonal Communicative Skills is known as :

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

Answer: (d)

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

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

Answer: (a)

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

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

Answer: (d)

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

Answer: (d)

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

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

Answer: (c)

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

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

Answer: (b)

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

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

Answer: (b)

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

Answer: (b)

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

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

Answer: (d)

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

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

Answer: (c)

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

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

Answer: (a)

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

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

Answer: (c)

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

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

Answer: (c)

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

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

Answer: (a)



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	(a)	2	(a)	3	(d)	4	(b)	5	(b)	6	(b)	8	(d)	9	(b)
10	(b)	11	(a)	12	(c)	13	(b)	14	(a)	15	(b)	16	(d)	17	(d)
18	(b)	19	(a)	20	(b)	21	(b)	22	(b)	23	(b)	24	(b)	25	(a)
26	(c)	27	(d)	28	(d)	29	(c)	30	(c)						

Mathematics

31	(c)	32	(a)	33	(c)	34	(a)	35	(b)	36	(a)	37	(b)	38	(b)
39	(d)	41	(c)	42	(b)	43	(d)	44	(b)	45	(d)	46	(b)	47	(a)
48	(c)	49	(b)	50	(a)	51	(a)	52	(c)	53	(c)	54	(a)	55	(c)
56	(a)	57	(d)	58	(a)	59	(d)	60	(d)						

Environmental Studies

61	(b)	62	(a)	63	(a)	64	(a)	65	(b)	66	(b)	67	(d)	68	(b)
69	(b)	70	(b)	71	(d)	72	(c)	73	(a)	74	(b)	75	(b)	76	(c)
77	(b)	78	(c)	79	(d)	80	(a)	81	(b)	82	(b)	83	(b)	84	(c)
85	(c)	86	(c)	87	(c)	89	(b)	90	(d)						

Language I

92	(b)	93	(a)	96	(a)	97	(b)	98	(b)	100	(b)	101	(c)	102	(b)
103	(b)	104	(c)	105	(c)	106	(c)	107	(a)	108	(c)	109	(b)	110	(d)
111	(b)	112	(c)	113	(b)	114	(d)	115	(d)	116	(a)	117	(b)	118	(b)
119	(b)	120	(b)												

Language II

122	(d)	123	(d)	124	(c)	125	(c)	126	(a)	127	(b)	129	(b)	130	(c)
131	(a)	132	(c)	136	(c)	137	(d)	138	(a)	139	(d)	140	(d)	141	(c)
142	(b)	143	(b)	144	(b)	145	(d)	146	(c)	147	(a)	148	(c)	149	(c)
150	(a)														