PREVIOUS YEAR PAPER

CTET Paper II — 20 August 2023 (Set E) — Mathematics and Science

CTET · 20 August 2023

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

Left out of the original paper: 53 (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 20 August 2023. 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-2023-paper-2-20-aug-set-e-maths-science/

Child Development and Pedagogy

1. Which of the following questions promotes critical and creative thinking in children ?
   (a) Which can be the best way to save water and why ?
   (b) Where does water come from in your city ?
   (c) How many states and how many capitals are there in your country ?
   (d) What is the name of your country and its geographical location on the map ?
   Answer: (a)

2. What is the role of evidence in critical thinking ?
   (a) Evidence should be evaluated in a logical an ystematic way.
   (b) Evidence should be accepted witho nal .
   (c) Evidence is irrelevant to critical thinkin
   (d) Evidence should be ignored in favour of personal opinion.
   Answer: (a)

3. What does inclusive education entail ?
   (a) Standard curriculum for all learners
   (b) Segregation and categorisation of students on the basis of their abilities
   (c) Provisioning of only vocational education to learners with special needs
   (d) Flexibility in the curriculum as a result of recognition of individual differences
   Answer: (d)

4. Read the following statements and choose the correct option : Assertion (A) : Jean Piaget and Lev Vygotsky differ in their perspective on the influence of language on cognitive development in children. Reason (R) : In discovery learning, teacher provides opportunities and students derive information for themselves.
   (a) (A) is true, but (R) is false.
   (b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
   (c) Both (A) and (R) are false.
   (d) Both (A) and (R) are true and (R) is the correct explanation of (A).
   Answer: (b)

5. Which of the following set correctly mentions the characteristics on which students who are gifted typically differ from other students in the class ? A. Advanced depth of understanding B. Fast pace of learning C. Higher dependence on others for understanding D. Rapid physical development Choose the correct option :

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

Answer: (d)

6. Which of the following statements is correct in the context of hearing impairment ?

(a) Hearing impairment can affect a child's ability to communicate effectively.
(b) All children with hearing impairment need to use 'sign language' to communicate.
(c) Hearing impairment of a child can be reliably tested by making loud noises near the child.
(d) Hearing impairment is always due to a physical problem with the ear.

Answer: (a)

7. In the context of inclusion, curriculum learning expectations are the same in _____ , while in _____, they are different.

(a) enrichment; acceleration
(b) modification; accommodation
(c) acceleration; enrichment
(d) accommodation; modification

Answer: (d)

8. According to constructivist theorists, which following statements would not be correct ?

(a) Knowledge is subjective.
(b) Learners construct knowledge in their social and cultural context.
(c) Learners need to be extrinsically motivated to ensure effective learning.
(d) Knowledge is pluralistic and multiple.

Answer: (c)

9. Which of the following is an example of intrinsic motivation ?

(a) Completing the project to impress the teacher
(b) Playing a musical instrument for personal enjoyment
(c) Studying to avoid being scolded
(d) Participating in a competition for the prize money

Answer: (b)

10. Read the following statements and choose the correct option : Assertion (A) : Teachers should work hard to break down students' stereotypes of particular ethnic groups. Reason (R) : A key educational objective is to enable students to engage in critical self-reflection.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) Both (A) and (R) are false.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (d)

11. What is the difference between mastery goals and performance goals ?

(a) Mastery goals are focused on avoiding failure, while performance goals are focused on gaining approval and recognition from others.

(b) Mastery goals are focused on improving one's own skills and understanding of a task, while performance goals are focused on achieving a high grade or receiving external rewards.

(c) Mastery goals are focused on gaining approval from others, while performance goals are focused on avoiding failure.

(d) Mastery goals are focused on achieving a certain level of performance for competing with others, while performance goals are focused on improving one's own skills and understanding of a task.

Answer: (b)

12. Sibling relationships :

(a) are different than relationships with parents ar eers and play an important role in socialization throughout childhood.

(b) are similar to relationships with parents and ers and play an important role in socialization throughout childhood.

(c) play an important role only during early ch nood.

(d) do not have much role in socialization.

Answer: (a)

13. Read the following statements and choose the correct option : Assertion (A) : Considerable variations exist in developmental rates among children. Reason (R) : Developmental differences are an inevitable result of complex interaction of genetic and experiential variations.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) Both (A) and (R) are false.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (d)

14. Which principle of development is illustrated in the following statement ? "Children who are deprived of a conducive environment for learning language in their early years have some difficulty in picking language later in life."

(a) Development of language is totally dependent on genetics.

(b) Language and cognition are complexly interrelated.

(c) Development is disorderly and unpredictable.

(d) There is a sensitive period of language development.

Answer: (d)

15. Students struggling with 'dyslexia' can be taught to read :

(a) by encouraging them to study in multiple distractions.

(b) by providing higher grade level reading texts.

(c) through use of strict punishment to ensure corrective reading.

(d) through systemic phonological training.

Answer: (d)

16. The underlying principle of 'understanding-based teaching' is the belief that :

(a) learners' abilities and needs are diverse which cannot be catered to without focusing on standard instructions.

(b) learners are passive recipients and the teacher has the 'right' knowledge.

(c) learners can construct knowledge when provided with a facilitative environment to do so.

(d) learners know little and teaching involves tran[illegible]ssion of facts to students.

Answer: (c)

17. How can a teacher help Aman who is st[illegible]ling [illegible]h complex problems develop problem-solving skills ?

(a) Encourage him to brainstorm and generate ideas

(b) Tell him to give up on the problem

(c) Discourage him from experimenting and taking risks

(d) Provide him with the answers

Answer: (a)

18. A conducive classroom environment for learning in middle classes centres around _____.

(a) fear of punishment and embarrassment

(b) co-operative learning

(c) competitive ethos

(d) conditioning and reinforcement

Answer: (b)

19. Lev Vygotsky believed that development :

(a) is discontinuous in nature.

(b) is an unfolding of genetic programming.

(c) results directly from maturation.

(d) results directly from social interaction.

Answer: (d)

20. According to Piaget, the four qualitatively different stages :

(a) vary vastly across the various cultures in the world.

(b) illustrate that children's minds are miniature adult minds.

(c) are dependent upon the genetic codes of the children.

(d) represent universal patterns of development of children.

Answer: (d)

21. Which of the following is a limitation of Piaget's theory of cognitive development ?

(a) It overemphasizes the role of language in cognitive development.

(b) It does not account for individual differences in cognitive development.

(c) It does not account for the role of biological factors in cognitive development.

(d) It does not account for the influence of culture and social factors on cognitive development.

Answer: (d)

22. Read the following statements and choose the correct option : Assertion (A) : Every year Lata, a Class VII teacher invites a female maths professor and a male nurse to her class to discuss careers in these fields. Reason (R) : Gender differences are innate and not acquired through society.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) Both (A) and (R) are false.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (a)

23. In a progressive classroom, the students : A. do[illegible] ask many questions. B. ask questions to the teacher. C. ask questions to each other. D. [illegible] the[illegible]elves questions. Choose the correct option :

(a) B and D

(b) B and C

(c) B, C and D

(d) A

Answer: (c)

24. Expectations associated with being male or female are referred to as _____ and these are learned _____ .

(a) gender roles; throughout childhood and into adulthood

(b) gender constancy; initially during adolescence

(c) gender stereotypes; only during middle childhood

(d) gender bias; mainly during early childhood

Answer: (a)

25. Which of the following views about intelligence supports the respectful consideration of diversity among learners ?

(a) Intelligence is not influenced by environmental factors.

(b) Intelligence is not influenced by genetic factors.

(c) IQ tests are the only measure of intelligence.

(d) Intelligence is multidimensional and can change over time.

Answer: (d)

26. Who among the following critiqued the concept of 'general' intelligence and proposed an alternative theory of intelligence ?

(a) Jean Piaget

(b) Howard Gardner

(c) Lev Vygotsky

(d) Charles Spearman

Answer: (b)

27. Lawrence Kohlberg's theory has been critiqued by Carol Gilligan for :

(a) ignoring gender differences in moral reasoning.

(b) not applying quantitative methods of analysis.

(c) presenting a stage-theory of moral development.

(d) collecting data by means of real-life situations.

Answer: (a)

28. A teacher wants to help her students develop m cognitive skills. Which of the following strategies would be most effective ?

(a) Providing frequent grades and feedbac otivate students

(b) Encouraging students to reflect on their own learning and evaluate their progress

(c) Assigning texts to students to memorize and encouraging them to repeat information from the textbook

(d) Providing students with detailed and prescriptive instructions for all learning tasks

Answer: (b)

Mathematics and Science

31. A teacher in her class discusses various examples from daily life situations like a railway line crossing several other lines, a road crossing two or more roads, alphabets like ' H ' , ' Z ' , etc. Which of the following concept(s) can be introduced through these examples ? A. Line segment B. Transversal C. Parallel lines D. Right angles Choose the correct option :

(a) B and C

(b) Only A

(c) A and D

(d) Only B

Answer: (a)

32. Which among the following is the most appropriate way to teach mathematics ?

(a) Find the gaps in learning and address them only

(b) Find the low performers and make them sit in the front row of the class

(c) Teach every student with the same approach

(d) Motivate the learners to develop their existing capabilities

Answer: (d)

33. Which of the following is true for Continuous and Comprehensive Evaluation (CCE) ?

(a) In CCE, assessment process includes assessment of previous knowledge, understanding level and learning process.

(b) For CCE, teachers feel that each one of them has to give some home assignment every day to assess children's learning.

(c) CCE is all about converting marks into grades.

(d) In CCE, there is more testing and less teaching.

Answer: (a)

34. Which of the following is/are essential features of a concept map in mathematics ? A. It represents a conceptual analysis of a concept using contributory sub-concepts. B. They are directional, with arrows showing which concepts are prerequisite for which others. C. They cannot be used for diagnostic purposes to identify difficulties in learning a particular concept. D. They cannot be used frequently as they are very time consuming. Choose the correct option :

(a) B and D

(b) Only C

(c) C and D

(d) A and B

Answer: (d)

35. Which of the following is not true about nature of mathematics ?

(a) Mathematics at school level requires special aptitude in learners.

(b) Primary concepts in mathematics are abstract in nature.

(c) Mathematics is based on deductive reasoning.

(d) Mathematics is much more abstract and hierarchic than most of the other subjects which children learn at the same age.

Answer: (a)

36. Which of the following statements are appropriate regarding "Argumentation" in a mathematics classroom ? A. It can be understood as a line of reasoning that intends to show or explain why a mathematical result is true. B. It is always helpful in mathematics in the same manner as in other empirical disciplines. C. It can also be a part of the heuristic approach in mathematics education. D. It is less useful for elementary grade students as its assessment will be difficult. Choose the correct option :

(a) A and C

(b) B and C

(c) A and B

(d) A and D

Answer: (a)

37. Which of the following statements is not correct with regard to a mathematics textbook ?

(a) Examples in a mathematics textbook should be related to daily life of the students.

(b) A mathematics textbook should have solved examples only.

(c) A textbook of mathematics should not be very thick or heavy.

(d) A mathematics textbook should have varied exercises to give practice to students.

Answer: (b)

38. A conjecture in mathematics is :

(a) not important at all as it does not help in developing mathematical understanding.

(b) a proposition or conclusion that has been proved.

(c) important for students of secondary level only.

(d) a proposition or conclusion that is assumed to be true on a tentative basis without proof.

Answer: (d)

39. The statement "1 less than or 1 more than a multiple of 6 are prime numbers" is an example of :

(a) Generalisation

(b) Theorem

(c) Conjecture

(d) Axiom

Answer: (c)

40. A mathematics teacher posed the following problems to her students : A. Simrat pays < 60,000 as rent for three months. How much will she have to pay for a whole year if the rent per month remains same ? B. Cost of three dozen bananas is ₹ 45. Calculate the number of bananas that can be purchased for < 12·50. C. Joey and Jenny are going to school. Joey started walking before Jenny. When Joey was at the third block, Jenny was at the first block. If both are walking with the same speed, then where would Jenny be if Joey is at the ninth block ? Which of the following is correct with respect to the above three questions ?

(a) Only A is based on unitary method.

(b) B and C are daily life problems based on unitary method.

(c) A and C are daily life problems based on unitary method.

(d) A and B are daily life problems based on unitary method.

Answer: (d)

42. The cost of painting the surface of a solid cuboid of dimensions 40 cm × 36 cm × x cm at 2 is 1,032. What is the value < 20 per 100 cm < of x ?

(a) 20

(b) 15

(c) 24

(d) 12

Answer: (b)

43. PQRS is a quadrilateral in which PQ = PS and RQ = RS. Which of the following statements is true about this quadrilateral ?

(a) Its diagonals are equal.

(b) Its diagonals are perpendicular to each other.

(c) Each diagonal bisects the angle at each vertex.

(d) Its diagonals bisect each other.

Answer: (b)

45. What is the mean of the mode, median and range of the data given below ? 17, 8, 11, 13, 9, 14, 10, 11, 16, 23, 15, 7

(a) 13

(b) 12·5

(c) 13·5

(d) 12

Answer: (a)

55. When a shopkeeper sells item A for < 384, then there is a loss of 20% and when he sells item B for < 400, then there is a profit of 25%. What is the profit/loss percent, if he sells both items for a total of < 852 ?

(a) Profit, 6·5%

(b) Loss, 5%

(c) Loss, 7%

(d) Profit, 7·5%

Answer: (a)

59. Which of the following are divisible by 2, [illegible] ? A. 8448 B. 9812 C. 9126 D. 9636 Choose the correct option :

(a) A and B

(b) B and D

(c) A and D

(d) A and C

Answer: (c)

61. Read the statements given below and choose the correct option : Assertion (A) : Stomach produces hydrochloric acid that helps in breakdown of food. Reason (R) : Digestive juices need an acidic medium to act.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (d)

62. What does the term 'nitrogen fixation' mean ?
(a) Conversion of nitrogen compounds into gaseous nitrogen
(b) Conversion of ammonia into nitrates by the bacteria present in soil
(c) Release of nitrogen present in dead organic matter back into soil
(d) Conversion of atmospheric nitrogen to a more usable form for living organisms
Answer: (d)

63. At which of the following positions does a spring have the least potential energy ?
(a) The spring is neither compressed nor pulled out and is lying on the ground.
(b) The spring is compressed to the minimum and is lying on the ground.
(c) The spring is compressed to the minimum and is placed at a height.
(d) The spring is pulled out to the maximum and is placed at a height.
Answer: (a)

64. Identify the set comprising cold blooded organisms.
(a) Lizard, Parrot, Dolphin
(b) Pigeon, Humans, Lizard
(c) Snake, Frog, Cockroach
(d) Whale, Frog, Earthworm
Answer: (c)

66. Read the following paragraph and choose the opt with the set of words which would fill the blanks correctly in the given order. During fertilisatio ne sperm cell from the father and the egg cell of the mother fuse to form a W which divides re atedly to give rise to a ball of cells. The cells begin to develop into different organs and ues. s developing structure called X gets embedded in the wall of Y . The stage of X in all body parts can be identified is called Z . W, X, Y, Z respectively are :
(a) zygote, foetus, uterus, embryo
(b) zygote, embryo, uterus, foetus
(c) embryo, zygote, fallopian tube, foetus
(d) zygote, foetus, fallopian tube, embryo
Answer: (b)

67. Which of the following reactions are not feasible ?
(a) PbSO + Fe 4
(b) Al + CuSO 4
(c) Zn + CaSO 4
(d) Mg + ZnSO 4
Answer: (c)

70. Read the following statements and choose the correct option : Assertion (A) : Electric current is a vector quantity. Reason (R) : Electric current is a quantity having magnitude as well as direction.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (c)

71. Which of the following cell organelles contain their own DNA ? A. Plastids B. Mitochondria C. Nucleus D. Vacuole Choose the correct option :

(a) C and D

(b) B and C

(c) A, B and C

(d) A, B and D

Answer: (c)

72. Which of the following statements about the cells of living organisms is/are correct ? A. All are microscopic and cannot be seen with a naked eye. B. All have a cell wall. C. All have a nuclear membrane. D. All have a cell membrane. Choose the correct option :

(a) Only D

(b) A and D

(c) B and C

(d) Only A

Answer: (a)

73. Select the set that correctly matches the type of waste given in Column A with the approximate time taken by it to decompose which is given in Column B. Column A Column B a. Plastic bottle i. 2 – 5 months b. Silk scarf ii. 1 – 2 weeks c. Cotton shirt iii. 10 – 30 days d. Banana peel iv. 4 years e. Paper v. Several years Choose the correct option :

(a) a–iv, b–v, c–iii, d–i, e-ii

(b) a–v, b–iv, c–i, d–ii, e-iii

(c) a–iv, b–v, c–ii, d–i, e-iii

(d) a–v, b–i, c–ii, d–iii, e-iv

Answer: (b)

74. A feather of mass 15 g is dropped from a height. It is found to fall with a constant velocity. What is the net force acting on it ?

(a) Zero

(b) 1·47 N

(c) 14·7 N

(d) 147 N

Answer: (a)

76. Identify the set comprising plants that produce bisexual flowers :

(a) Cucumber, Papaya, Rose

(b) Mustard, Rose, Petunia

(c) Corn, Cucumber, Petunia

(d) Corn, Papaya, Mustard

Answer: (b)

77. Identify the incorrect statement :

(a) Clayey soil is better aerated than loamy soil.

(b) Clayey soil is more fertile as compared to loamy soil.

(c) Water retention capacity of clayey soil is better than that of loamy soil.

(d) The particle size of clayey soil is much smaller than that of loamy soil.

Answer: —

78. Which of the following substances are present on the rubbing surface of a matchbox ?

(a) Glass powder and red phosphorus

(b) White phosphorus and glass powder

(c) Red phosphorus and magnesium

(d) Potassium and white phosphorus

Answer: (a)

79. A and B secrete their hormones when they receiv ders from gland C . Which of the following can A, B and C respectively be ?

(a) Pancreas, Adrenal glands, Thyroid

(b) Thyroid, Adrenal glands, Pituitary

(c) Testes, Ovaries, Thyroid

(d) Pituitary, Pancreas, Thyroid

Answer: (b)

80. The image formed by a pinhole camera is real. Which of the following statements offers a suitable explanation for this fact ?

(a) Light diffracts on entering a small opening.

(b) Light travels in a straight line.

(c) Light is a form of energy.

(d) Light changes its path when it travels from one medium to another.

Answer: (b)

81. Identify the open-ended question from among the following :

(a) Why can humans not digest cellulose ?

(b) What is cellulose made of ?

(c) What would happen if humans could digest cellulose ?

(d) Name any five organisms that can digest cellulose.

Answer: (c)

82. Which of the following is/are true about the curricular practice currently being followed in schools ? A. Science and Mathematics are being taught integratedly as 'Science and Technology' in elementary classes. B. Physics, Chemistry and Biology are being taught integratedly as 'Science' in secondary classes. C. Science and Social Science are being taught integratedly as 'EVS' in primary classes. Choose the correct option :

(a) B and C

(b) A and B

(c) Only C

(d) Only B

Answer: (a)

84. Which of the following cannot be considered as a valid reason for including socio-scientific issues (such as the GM food) in the school science curricula ?

(a) Develops argumentation skills

(b) Helpful in cultivating understanding about nature of science

(c) Develops the capacity to engage in evidence-based reasoning

(d) Helpful in appreciating science as a definitive discipline

Answer: (d)

85. After teaching the chapter 'Respiration in Organisms' in Class VII, a teacher performs the following activity with her students. They take three test tubes and fill 3/4 th of each with water. The test tubes are labelled as A, B and C. They put a snail in test tube A, a water plant in test tube B and in C they keep snail and plant both. The teacher then asks the students which test tube would have the highest concentration of CO_2. Which process skill is the teacher emphasising in this case ?

(a) Predicting

(b) Estimating

(c) Measuring

(d) Question raising

Answer: (a)

86. Which of the following is not correct in respect of the activities suggested as part of 'Extended learning' in textbooks ?

(a) These are an important value-addition to children's repertoire of knowledge and skills.

(b) These form an important basis of students' evaluation.

(c) Some of these require students to collect information of various kinds and draw conclusions on their own.

(d) Some of these enhance children's interaction with experts, teachers and society at large.

Answer: (b)

87. Which of the following is/are ordinarily not implied in the context of 'Content validity' of Science curriculum ? A. The content is updated. B. The concepts are accurately represented. C. The concepts are trivialised for some learners. Choose the correct option :

(a) Only B

(b) A and B

(c) A, B and C

(d) Only A

Answer: —

88. Which of the following can be considered as the most suitable rationale for team teaching ?

(a) It is an effective strategy for large sized classes.

(b) It benefits the students with diverse expertise.

(c) It makes the task of assessment easier.

(d) It is helpful in increasing student participation.

Answer: (b)

89. Which of the following would be the most suitable activity to introduce the concept of image formation in spherical mirrors in Class VII students ?

(a) Students are asked to observe their images at various positions in a plane mirror.

(b) Students are asked to play with shiny, steel spoons and observe their images in it.

(c) Students are explained the laws of reflection.

(d) Students are explained the process of drawing ray diagrams in curved mirrors.

Answer: (b)

90. Which of the following is not implied by the statement 'Good science education is true to the child, true to life and true to the discipline' ?

(a) Science education should help the students acquire the processes of science.

(b) Science education should build a link between the child and his/her environment.

(c) Science education should train the students to remain disciplined in school.

(d) Science classroom practices should be developmentally appropriate.

Answer: (c)

Language I (English)

91. A teacher showed a movie with the captions to learners in Class VI. The movie is based on one of the chapters in the textbook. The movie with captions on will encourage :

(a) listening strategies, active viewing, and motivating the students to use authentic language material.

(b) active viewing and listening.

(c) the students to watch more such movies.

(d) listening strategies by verbal clues and to appreciate the actions of actors, and to write a review.

Answer: (a)

92. Read the following statements and choose the correct option : Assertion (A) : A child in his early childhood stage uses more verbs than nouns and ignores the grammar rules. Reason (R) : They lack vocabulary range.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (d)

93. A child shares her language classroom experiences with her mother and says that sometimes we cover our eyes and the teacher asks us to pick an object out of a bag. Then we have to try to describe it. It's a really good way to learn. This comment shows the child's preference of learning. Identify her preference.

(a) I remember language well when I move.

(b) I remember language well when I hear it.

(c) I remember language well when I copy it.

(d) I remember language well when I see it.

Answer: (a)

94. Read the example of what a learner does and choose the strategy that matches the example. "If I don't know what something means, I look it up."

(a) Consulting reference materials

(b) Using opportunities for practice

(c) Confused state of mind

(d) Focusing on collocations

Answer: (a)

95. A diagnostic test is used to assess :

(a) learners' ability to summarise the main points in a text.

(b) learners' ability to recognise their own language mistakes.

(c) and rank learners in order of achievement.

(d) learners' strong and weak points in language.

Answer: (d)

96. A proficiency test always assesses :

(a) the level of language that learners have reached.

(b) the language that students have been taught.

(c) the multisensory learning experiences.

(d) the language of daily conversation.

Answer: (a)

97. A teacher divided learners into groups, and asked them to do a quiz about 'elephants' before reading a story about them. The objective of the teacher is to :

(a) generate interest in a topic.

(b) give peer feedback.

(c) write a text review.

(d) test their memory.

Answer: (a)

98. In a language classroom, a student is disturbing the class. To handle this disruptive student, the teacher should :

(a) first talk to the children to offer remedies.

(b) address the diligent students.

(c) depend on the parents to offer remedies.

(d) report the behaviour of the student to the school authority.

Answer: (a)

99. When students "brainstorm ideas, organise, draft, edit and revise their work," which skill does this process reflect ?

(a) Reading skill

(b) Speaking skill

(c) Writing skill

(d) Listening skill

Answer: (c)

100. Read the following statements and ch[illegible]e th[illegible]rrect option : Assertion (A) : Reading and writing skills help in critical thinking at the pr[illegible]vel. Reason (R) : Critical thinking is a sub-skill of reading and writing.

(a) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(b) Both (A) and (R) are true and (R) is the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) (A) is true, but (R) is false.

Answer: (d)

101. Language skills are best learnt :

(a) with the help of challenging and mechanical language drills.

(b) if the teacher focuses on one skill at a time.

(c) if they are dealt with in an integrated manner.

(d) only through written tests and assignments.

Answer: (c)

102. To assess whether students have understood how to use the narrative skill, a teacher should ask students to :

(a) share an incident when they were surprised.

(b) circle the verbs and adjectives in the text.

(c) correct the mistakes in the use of describing words.

(d) read a story and answer comprehension-based questions.

Answer: (a)

103. A teacher of Class VII is facilitating the reading of books other than the prescribed textbooks. She is promoting their :

(a) Intensive reading

(b) Shared reading

(c) Extensive reading

(d) Guided reading

Answer: (c)

104. The principal asked the language teacher to select the textbooks and other resources for the new session. While selecting them, which one of the following is not relevant ?

(a) Adaptability of the books and resources

(b) Learning needs and languages known to children

(c) Level of the students

(d) Conceptual complexity and density of materia'

Answer: (d)

105. The teacher developed the criteria to [illegible]itor [illegible] use of language materials by learners. Which criteria are most important and helpful in mo[illegible] the use of material ?

(a) Present, prepare and practice the material

(b) Usability, repetition and production of utterances

(c) Observation, feedback sessions and written reports

(d) Checklist, assumptions and learning outcomes

Answer: (c)

Language II (English)

121. Which one of the following is not a classroom resource for learners in teaching-learning of language ?

(a) Classroom library

(b) Reading corner

(c) Classroom procedures

(d) Word wall

Answer: (c)

122. Read the following statements and choose the correct option : Assertion (A) : A plan for individualised learning must be created by a language teacher. Reason (R) : There is diversity in learners in the learning of new languages.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (b)

123. In which method does the learners' first language play a central role in teaching ?

(a) Communicative language teaching method

(b) Grammar-Translation method

(c) Task-based learning

(d) Direct method

Answer: (b)

124. Chetan's first language was Bhojpuri. Since arriving in Tamil Nadu, he no longer speaks Bhojpuri and only speaks English with the natives. When the new second language replaces the native language, this is an example of :

(a) Code-mixing

(b) Subtractive bilingualism

(c) Code-switching

(d) Bilingualism

Answer: (b)

125. Which of the following supports a pre-re ctivity ?

(a) Asking learners to summarise the text

(b) Using a prediction task

(c) Teaching grammatical structures

(d) Using paraphrasing tasks

Answer: (b)

126. Which of the following is true about remedial teaching ?

(a) Providing support to improve performance

(b) Showing sympathy to backward students

(c) Providing extra marks to improve performance

(d) Giving extra attention to gifted children

Answer: (a)

127. Read the following statements and choose the correct option : Assertion (A) : English is an associate official language in India. Reason (R) : English is taught as a foreign language in Indian schools.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (a)

128. Which one of the following is not a characteristic of a language ?

(a) Language is symbolic.

(b) Language is static.

(c) Language is social.

(d) Language is systematic.

Answer: (b)

129. Read the following statements and choose the correct option : Assertion (A) : Prompting students to recall previous knowledge is important. Reason (R) : Recalling the previous knowledge helps students connect the known knowledge to the new knowledge.

(a) (A) is true, but (R) is false.

(b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

(c) (A) is false, but (R) is true.

(d) Both (A) and (R) are true and (R) is the correct explanation of (A).

Answer: (d)

130. A teacher of Class VIII asked her learners to produce a leaflet about saving energy at home as an assignment. This task will cater to which feature of language ?

(a) Question forms

(b) Positive imperatives

(c) Comparative

(d) The past tense

Answer: (b)

131. While planning a lesson, one of the objectives is to enable learners to produce typical business communication with customers. This objective matches with one of the types of text genres listed below :

(a) Report

(b) Description

(c) Article

(d) Letter

Answer: (d)

133. When monolingual speakers move from formal to informal modes of speech within the same spoken or gestured idea, they are engaging in :

(a) Code-mixing

(b) Code-switching

(c) Dialects

(d) Sociolinguistics

Answer: (b)

134. Children's informal interactions, friendships and relationships with others in their community are based on their use of which form of language ?

(a) Accommodation

(b) Assimilation

(c) Language socialization

(d) Enculturation

Answer: (c)

135. In the case of vocabulary use, grammar provides a pathway for learners to :

(a) combine lexical items into meaningful and communicative expressions.

(b) re-tell listening inputs into oral output.

(c) draft formal pieces of writing in higher classes.

(d) speak in formal situations with greater accuracy and confidence.

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	**(d)**	6	**(a)**
7	**(d)**	8	**(c)**	9	**(b)**	10	**(d)**	11	**(b)**	12	**(a)**
13	**(d)**	14	**(d)**	15	**(d)**	16	**(c)**	17	**(a)**	18	**(b)**
19	**(d)**	20	**(d)**	21	**(d)**	22	**(a)**	23	**(c)**	24	**(a)**
25	**(d)**	26	**(b)**	27	**(a)**	28	**(b)**				

Mathematics and Science

31	**(a)**	32	**(d)**	33	**(a)**	34	**(d)**	35	**(a)**	36	**(a)**
37	**(b)**	38	**(d)**	39	**(c)**	40	**(d)**	42	**(b)**	43	**(b)**
45	**(a)**	55	**(a)**	59	**(c)**	61	**(d)**	62	**(d)**	63	**(a)**
64	**(c)**	66	**(b)**	67	**(c)**	70	**(c)**	71	**(c)**	72	**(a)**
73	**(b)**	74	**(a)**	76	**(b)**	77	**—**	78	**(a)**	79	**(b)**
80	**(b)**	81	**(c)**	82	**(a)**	84	**(d)**	85	**(a)**	86	**(b)**
87	**—**	88	**(b)**	89	**(b)**	90	**(c)**				

Language I (English)

91	**(a)**	92	**(d)**	93	**(a)**	94	**(a)**	95	**(d)**	96	**(a)**
97	**(a)**	98	**(a)**	99	**(c)**	100	**(d)**	101	**(c)**	102	**(a)**
103	**(c)**	104	**(d)**	105	**(c)**						

Language II (English)

121	**(c)**	122	**(b)**	123	**(b)**	124	**(b)**	[illegible]	**(b)**	126	**(a)**
127	**(a)**	128	**(b)**	129	**(d)**	130	**(b)**	131	**(d)**	133	[illegible]4 **(c)**
135	**(a)**										