

CTET

Previous Year

Unsolved Question Paper-II



(June 2011- Sep 15)

**PART I /
CHILD DEVELOPMENT AND PEDAGOGY /**

*Directions : Answer the following questions by selecting the **most appropriate** option.*

1. A creative learner refers to one who is
 - (1) very talented in drawing and painting
 - (2) highly intelligent
 - (3) capable of scoring consistently good marks in tests
 - (4) good at lateral thinking and problem solving

2. Individual learners differ from each other in
 - (1) principles of growth and development
 - (2) rate of development
 - (3) sequence of development
 - (4) general capacity for development

3. Every learner is unique means that
 - (1) No two learners are alike in their abilities, interests and talents
 - (2) Learners do not have any common qualities, nor do they share common goals
 - (3) A common curriculum for all learners is not possible
 - (4) It is impossible to develop the potential of learners in a heterogeneous class

4. Constructivism as a theory
 - (1) focuses on the role of imitation
 - (2) emphasises the role of the learner in constructing his own view of the world
 - (3) emphasises on memorising information and testing through recall
 - (4) emphasises on the dominant role of the teacher

5. Development of concepts is primarily a part of
 - (1) emotional development
 - (2) intellectual development
 - (3) physical development
 - (4) social development

6. Heredity is considered as a _____ social structure.
 - (1) primary
 - (2) secondary
 - (3) dynamic
 - (4) static

7. The most intense and crucial socialization takes place
 - (1) throughout the life of a person
 - (2) during adolescence

- (3) during early childhood
 - (4) during adulthood
8. Helping learners recapitulate or recall what they have already learnt is important because
- (1) it is a convenient beginning for any classroom instruction
 - (2) relating new information to prior knowledge enhances learning
 - (3) it is an effective way of revising old lessons
 - (4) it enhances the memory of learners thereby strengthening learning
9. According to Piaget, during the first stage of development (birth to about 2 years age), a child learns best
- (1) by using the senses
 - (2) by comprehending neutral words
 - (3) by thinking in an abstract fashion
 - (4) by applying newly acquired knowledge of language
10. Theory of learning which totally and only depends on 'observable behaviour' is associated with _____ theory of learning.
- (1) Cognitivist
 - (2) Developmental
 - (3) Behaviourist
 - (4) Constructivist
11. Multilingual character of Indian society should be seen as
- (1) a hindrance in teaching-learning process
 - (2) a resource for enrichment of school life
 - (3) a challenge to teacher's capacity to motivate students to learn
 - (4) a factor that makes school life a complex experience for the learners
12. Creative answers require
- (1) direct teaching and direct questions
 - (2) content-based questions
 - (3) open-ended questions
 - (4) a highly disciplined classroom
13. Diagnosis of the gaps in the learning of students should be followed by
- (1) appropriate remedial measures
 - (2) intensive drill and practice
 - (3) systematic revision of all lessons
 - (4) reporting the findings to learners and parents
14. Which of the following statements cannot be considered as a feature of 'learning' ?
- (1) Learning is a process that mediates behaviour

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- (2) Learning is something that occurs as a result of certain experiences
 - (3) Study of behaviour is learning
 - (4) Unlearning is also a part of learning
15. 'Self-regulation' of learners refers to
- (1) their ability to monitor their own learning
 - (2) creating regulations for student behaviour
 - (3) rules and regulations made by the student body
 - (4) self-discipline and control
16. Which of the following does not reflect 'teaching for understanding' ?
- (1) Ask students to explain a phenomenon or a concept in their own words
 - (2) Teach students to provide examples to illustrate how a law works
 - (3) Help students see similarities and differences and generate analogies
 - (4) Enable students to memorize isolated facts and procedures
17. Which of the following statements is true about 'learning' ?
- (1) Errors made by children indicate that no learning has taken place.
 - (2) Learning is effective in an environment that is emotionally positive and satisfying for the learners.
 - (3) Learning is not affected by emotional factors at any stage of learning.
 - (4) Learning is fundamentally a mental activity.
18. Human development is based on certain principles. Which of the following is not a principle of human development ?
- (1) Continuity
 - (2) Sequentiality
 - (3) General to Specific
 - (4) Reversible
19. The main purpose of assessment should be
- (1) to point out the errors of the learners
 - (2) to measure the achievement of learners
 - (3) to decide if a student should be promoted to the next class
 - (4) to diagnose and remedy gaps in learning
20. Centrally sponsored scheme of Integrated Education for disabled children aims at providing educational opportunities to children with disabilities in
- (1) regular schools
 - (2) special schools
 - (3) open schools
 - (4) Blind Relief Association schools
21. Which of the following is not a sign of reading difficulty among young learners ?
- Difficulty in
- (1) letter and word recognition

- (2) reading speed and fluency
 - (3) understanding words and ideas
 - (4) spelling consistency
22. A teacher wants the gifted children of her class to achieve their potential. Which of the following should she not do to achieve her objective ?
- (1) Teach them to enjoy non-academic activities
 - (2) Teach them to manage stress
 - (3) Segregate them from their peers for special attention
 - (4) Challenge them to enhance their creativity
23. Which of the following is not a characteristic feature of intrinsically motivated children ?
- (1) They always succeed
 - (2) They enjoy doing their work
 - (3) They display a high level of energy while working
 - (4) They like challenging tasks
24. Which of the following is not an appropriate tool for Formative Assessment ?
- (1) Assignment
 - (2) Oral questions
 - (3) Term test
 - (4) Quiz and games
25. Learners should not be encouraged to
- (1) ask as many questions as possible both inside and outside the class
 - (2) actively interact with other learners in group work
 - (3) participate in as many co-curricular activities as possible
 - (4) memorize all the answers to questions which the teacher may ask
26. **Irfan breaks toys and dismantles them to explore their components. What would you do ?**
- (1) Never let Irfan play with toys
 - (2) Always keep a close watch
 - (3) Encourage his inquisitive nature and channelise his energy
 - (4) Make him understand that toys should not be broken
27. The statement 'Men are generally more intelligent than women'
- (1) is true
 - (2) may be true
 - (3) shows gender bias
 - (4) is true for different domains of intelligence
28. Understanding the principles of development of a child helps a teacher in
- (1) identifying the social status of the learner
 - (2) identifying the economic background of the learner
 - (3) rationalizing why the learner ought to be taught
 - (4) effectively catering to the different learning styles of learners
29. Christina took her class for a field trip and after coming back, she discussed the trip with her students. It may be connotated as

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- (1) Assessment of Learning
 - (2) Assessment for Learning
 - (3) Learning for Assessment
 - (4) Learning of Assessment
30. The statement : 'An important precondition for the proper development of a child is ensuring her/his healthy physical development'
- (1) is untrue as physical development does not affect other domains of development in any way
 - (2) may be incorrect as development varies from individual to individual
 - (3) is true because physical development occupies the topmost place in the sequence of development
 - (4) is true because physical development is interrelated with other domains of development
61. Bakelite is used in making electrical appliances because it is a
- (1) thermoplastic
 - (2) good conductor of heat
 - (3) good conductor of electricity
 - (4) good insulator of electricity
62. In which of the following cases of motion, are the distance moved and the magnitude of displacement equal ?
- (1) A car moving on a straight road
 - (2) A car moving in a circular path
 - (3) A pendulum oscillating to and fro
 - (4) The Earth revolving around the Sun
63. LED and CFL are very commonly used as sources of light in homes. Which of the following statements is true ?
- (1) CFL is better because LED contains toxic materials
 - (2) LED is better because CFL contains toxic materials
 - (3) Both are equally good
 - (4) Neither of them is good because both contain toxic materials
64. An air bubble inside water behaves like a
- (1) concave lens
 - (2) convex lens
 - (3) plano-convex lens
 - (4) concave mirror
65. A feather weighing 5 gm and a nail weighing 10 gm have the same kinetic energy. Which of the following statements is true about the momentum of the two bodies ?
- (1) The lighter body will have higher momentum
 - (2) The heavier body will have higher momentum
 - (3) Both will have equal momentum
 - (4) It is not possible to compare the momentum of two objects
66. If the pressure over a liquid increases, its boiling point

- (1) decreases
 - (2) increases
 - (3) does not change
 - (4) first decreases and then increases
67. A doctor prescribes a medicine to treat hyperacidity. The main ingredient of the medicine is
- (1) Al(OH)_3
 - (2) MgCl_2
 - (3) CaCO_3
 - (4) Na_2CO_3
68. Non-metallic oxides
- (1) are acidic in nature
 - (2) are basic in nature
 - (3) are amphoteric in nature
 - (4) turn red litmus paper blue
69. The inner surfaces of food cans are coated with tin and not with zinc because
- (1) zinc is costlier than tin
 - (2) zinc is more reactive than tin
 - (3) zinc has a higher melting point than tin
 - (4) zinc is less reactive than tin
70. A man goes door to door posing as a goldsmith. He promises to bring back the glitter on dull gold ornaments. An unsuspecting woman gives a set of gold bangles to him which he dips in a particular solution. The bangles sparkle but their weight has considerably reduced. The solution used by the impostor probably is
- (1) dil. HCl
 - (2) conc. HCl
 - (3) a mixture of conc. HCl and conc. HNO_3
 - (4) conc. HNO_3
71. Bleeding is stopped by the application of alum to a wound because
- (1) the wound is plugged by the alum chunk
 - (2) alum coagulates the blood and forms a clot
 - (3) alum reduces the temperature near the wound
 - (4) alum is an antiseptic
72. When an iron nail is dipped in copper sulphate solution, the colour of copper sulphate solution fades and a brownish layer is deposited over the iron nail. This is an example of
- (1) combination reaction
 - (2) decomposition reaction

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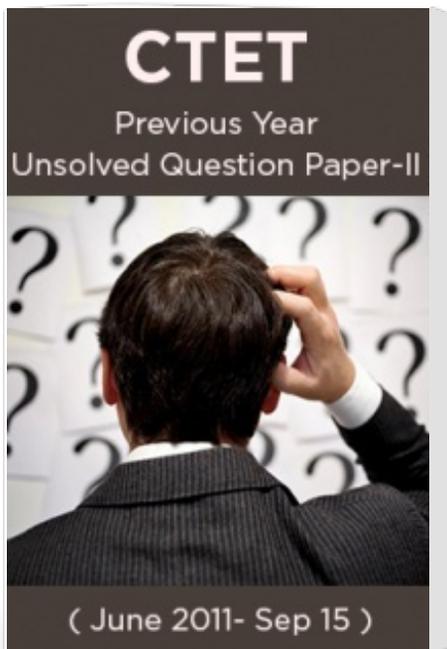
- (3) double displacement reaction
 - (4) displacement and redox reactions
73. While diluting sulphuric acid, it is recommended that the acid should be added to water because
- (1) acid has strong affinity for water
 - (2) acid may break the glass container
 - (3) dilution of acid is highly exothermic
 - (4) dilution of acid is highly endothermic
74. The thumb of humans moves more freely than other fingers due to the presence of
- (1) pivotal joint
 - (2) gliding joint
 - (3) hinge joint
 - (4) saddle joint
75. Root cap is absent in
- (1) Xerophytes
 - (2) Hydrophytes
 - (3) Mesophytes
 - (4) Halophytes
76. Adding salt and sugar to food substances helps in preserving them for a longer duration. It is because excess salt and sugar
- (1) plasmolyse the microbial cells
 - (2) cause rupturing of microbial cells
 - (3) cause change in the shape of microbial cells
 - (4) remove water from food
77. Hormone Adrenaline
- (1) helps control level of sugar in the blood
 - (2) helps the body to adjust stress level when one is very angry or worried
 - (3) helps control height
 - (4) helps control balance of electrolytes in the body
78. The green house effect which is causing an increase in the atmospheric temperature is mainly due to
- (1) oxygen
 - (2) nitrogen
 - (3) carbon dioxide
 - (4) sulphur
79. Green plants appear to release oxygen instead of carbon dioxide into the atmosphere during the day time because
- (1) green plants do not respire during the night time

- (2) green plants respire only during the night time
 - (3) green plants respire during the day time but are involved in photosynthesis during the night time
 - (4) the rate of photosynthesis is higher than the rate of respiration during the day time
80. A common characteristic feature of plant sieve-tube cells and mammalian erythrocytes is
- (1) absence of nucleus
 - (2) absence of chloroplast
 - (3) absence of cell wall
 - (4) presence of haemoglobin
81. Most Boards of Education have banned the dissection of animals because
- (1) animals are no longer available for dissection
 - (2) procuring animals has become an expensive proposition
 - (3) there is a need to sensitise students to prevention of cruelty to animals
 - (4) they may spread new diseases
82. The main aim of conducting Mathematics and Science Olympiads is to
- (1) promote excellence in the subject by nurturing creativity and experimentation
 - (2) grade students according to their capabilities
 - (3) help students score high marks in professional examinations
 - (4) grade schools based on the performance of their students
83. Four applicants for a post of TGT (Science) were asked to plan a lesson on “Consequences of Deforestation”. Which one of the following lesson plans reflects the scientific approach ?
- (1) Explains in detail the consequences of deforestation
 - (2) Provides a variety of examples to explain the concept
 - (3) Includes activities that children can perform in groups and draw conclusions through a PowerPoint presentation
 - (4) Mentions about the use of ICT to help students understand the concept
84. Ms. Patel, Principal of a School XYZ, is keen about integrated approach to teaching of Science rather than teaching different disciplines separately. The basis of this is
- (1) non-availability of qualified teachers in her school to teach separate disciplines
 - (2) difficulty to adjust the teachers in the time-table
 - (3) difficulty of students to adjust to different teachers
 - (4) all the disciplines are interlinked and a teacher can draw on cross-curricular linkages

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85. A teacher plans to teach “Components of Food” in Class-VI. Which of the following can be used as an essential question ?
- (1) List the food items your mother serves you in lunch.
 - (2) Why does your mother serve you a meal with a variety of food items ?
 - (3) Does your mother prepare a definite set of food items for lunch every day ?
 - (4) Do you eat all the items served in your lunch every day ?
86. While teaching the concept, “force can change the shape of an object” to students, a teacher plans the following activities :
- a. Explain concepts using commonly observed examples.
 - b. Provide a dough on a plate and ask the students to press it down with the hand.
 - c. Show an audio-visual film explaining the concept with some examples.
- The teacher is using different approaches to learning because
- (1) she wants to prove her knowledge
 - (2) she knows she must follow her lesson plan
 - (3) she wants to prepare students for a test
 - (4) there are different kinds of learners in the class and she wants to address multiple intelligences
87. Which of the following can be assessed when Geeta is using only MCQ as a tool to assess “Nutrition in Humans” ?
- (1) Analytical ability to classify food items and make a poster
 - (2) Misconceptions related to food habits
 - (3) Learners’ ability to apply knowledge and prepare a role play to present in the morning assembly
 - (4) Learners’ ability to comprehend the importance of components of food and write a long essay
88. A Science teacher plans group activities to teach “Properties of Air” to her students of Class-VI. Which one set of attributes would she like to have in the students she selects as group leaders ?
- (1) Freedom to choose roles, work at their own pace and understanding
 - (2) Ordering students to take roles and deliver in consonance with their understanding
 - (3) Giving major roles to brighter students to ensure the group finishes first
 - (4) Assigning roles as per capability, motivating and coordinating among the group members

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