

# HTET Modal Paper

## Child Development and Pedagogy

1. What is the term for the process of learning through observing and imitating others? a. Assimilation b. Accommodation c. Observational Learning d. Concrete Operational

**Answer: c. Observational Learning**

2. According to Jean Piaget, during which stage of cognitive development do children begin to think logically and understand conservation? a. Sensorimotor b. Preoperational c. Concrete Operational d. Formal Operational

**Answer: c. Concrete Operational**

3. Who proposed the theory of multiple intelligences, suggesting that there are several different types of intelligence? a. B.F. Skinner b. Erik Erikson c. Howard Gardner d. Jean Piaget

**Answer: c. Howard Gardner**

4. In the context of Vygotsky's sociocultural theory, what is the term for the difference between what a learner can do independently and what they can do with guidance or assistance? a. Zone of Proximal Development b. Scaffolding c. Equilibrium d. Egocentrism

**Answer: a. Zone of Proximal Development**

5. What is the primary focus of behaviorism in learning and development? a. Social interactions b. Cognitive processes c. Observable behaviors d. Emotional intelligence

**Answer: c. Observable behaviors**

6. According to Erik Erikson's theory of psychosocial development, what is the primary conflict that occurs during adolescence? a. Trust vs. Mistrust b. Initiative vs. Guilt c. Identity vs. Role Confusion d. Intimacy vs. Isolation

**Answer: c. Identity vs. Role Confusion**

7. What term is used to describe the modification of existing cognitive structures to accommodate new information? a. Assimilation b. Accommodation c. Equilibration d. Object Permanence

**Answer: b. Accommodation**

8. The "Nature vs. Nurture" debate is concerned with the relative contributions of: a. Heredity and environment b. Formal and informal education c. Parents and teachers d. Social and emotional development

**Answer: a. Heredity and environment**

9. According to Maslow's hierarchy of needs, which of the following needs must be satisfied first before higher-level needs can be addressed? a. Self-esteem needs b. Belongingness and love needs c. Physiological needs d. Self-actualization needs

**Answer: c. Physiological needs**

10. What term is used to describe a process by which learners actively construct their own understanding of the world? a. Behaviorism b. Constructivism c. Positivism d. Humanism

**Answer: b. Constructivism**

11. The concept of "scaffolding" in education is closely associated with: a. Erik Erikson b. Jean Piaget c. Lev Vygotsky d. John Dewey

**Answer: c. Lev Vygotsky**

12. According to Kohlberg's theory of moral development, at which level do individuals make moral decisions based on a concern for the social order and the greater good? a. Preconventional level b. Conventional level c. Postconventional level d. Preoperational level

**Answer: c. Postconventional level**

13. The concept of "egocentrism" is most closely associated with which stage of Piaget's theory of cognitive development? a. Sensorimotor stage b. Preoperational stage c. Concrete Operational stage d. Formal Operational stage

**Answer: b. Preoperational stage**

14. What is the term for the process by which children learn the language and culture of their community through social interaction? a. Enculturation b. Assimilation c. Maturation d. Self-actualization

**Answer: a. Enculturation**

15. According to Erik Erikson's theory of psychosocial development, what is the primary conflict that occurs in early adulthood? a. Trust vs. Mistrust b. Autonomy vs. Shame and Doubt c. Intimacy vs. Isolation d. Generativity vs. Stagnation

**Answer: c. Intimacy vs. Isolation**

16. Who is known for the concept of "Zone of Proximal Development" in the context of learning and development? a. Abraham Maslow b. John Dewey c. Jean Piaget d. Lev Vygotsky

**Answer: d. Lev Vygotsky**

17. Which of the following is an example of a "norm-referenced" assessment? a. A final exam where the score is based on the total number of points earned b. A driver's license test where you must achieve a minimum passing score c. A teacher evaluating a student's performance based on class standards d. A self-assessment of personal strengths and weaknesses

**Answer: b. A driver's license test where you must achieve a minimum passing score**

18. In the context of educational assessment, what does "formative assessment" primarily aim to do? a. Summarize overall performance b. Provide feedback for improvement during learning c. Rank students in order of achievement d. Determine mastery of subject matter

**Answer: b. Provide feedback for improvement during learning**

19. Which learning theory emphasizes the role of rewards and punishments in shaping behavior? a. Behaviorism b. Constructivism c. Humanism d. Cognitivism

**Answer: a. Behaviorism**

20. According to Piaget's theory, in which stage do children develop a sense of object permanence? a. Sensorimotor stage b. Preoperational stage c. Concrete Operational stage d. Formal Operational stage

**Answer: a. Sensorimotor stage**

21. According to Erik Erikson, what is the primary conflict that occurs during the stage of infancy (birth to 18 months)? a. Initiative vs. Guilt b. Autonomy vs. Shame and Doubt c. Identity vs. Role Confusion d. Trust vs. Mistrust

**Answer: d. Trust vs. Mistrust**

22. Who is associated with the concept of "emotional intelligence" and its role in personal and social success? a. Jean Piaget b. Lev Vygotsky c. Daniel Goleman d. Erik Erikson

**Answer: c. Daniel Goleman**

23. What is the term for the process of reinterpreting new information to fit existing cognitive structures or schemas? a. Assimilation b. Accommodation c. Equilibration d. Enculturation

**Answer: a. Assimilation**

24. Which theory of intelligence suggests that there are multiple types of intelligences, including linguistic, logical-mathematical, musical, and spatial? a. Behaviorism b. Constructivism c. Social Learning Theory d. Multiple Intelligences Theory

**Answer: d. Multiple Intelligences Theory**

25. What does the term "self-regulation" refer to in the context of learning and development? a. The ability to control one's own behavior and emotions b. Teacher-led classroom management c. External monitoring of student progress d. The use of rewards and punishments to motivate learning

**Answer: a. The ability to control one's own behavior and emotions**

26. According to Jean Piaget, which stage of cognitive development is characterized by the ability to think abstractly and hypothetically? a. Sensorimotor b. Preoperational c. Concrete Operational d. Formal Operational

**Answer: d. Formal Operational**

27. Who proposed the concept of "moral development" and identified stages of moral reasoning, such as "preconventional" and "conventional" morality? a. Abraham Maslow b. Lawrence Kohlberg c. Erik Erikson d. John Dewey

**Answer: b. Lawrence Kohlberg**

28. In the context of educational psychology, what is the term for a student's ability to adapt to new learning situations and solve problems they have not encountered before? a. Cognitive development b. Transfer of learning c. Memory consolidation d. Zone of Proximal Development

**Answer: b. Transfer of learning**

29. In which of Maslow's hierarchy of needs does the need for love, affection, and a sense of belongingness belong? a. Physiological needs b. Safety needs c. Esteem needs d. Belongingness and love needs

**Answer: d. Belongingness and love needs**

30. What is the term for a teacher's ability to understand and adjust their teaching style to accommodate the diverse needs and abilities of students in the classroom? a. Classroom management b. Differentiated instruction c. Behavior modification d. Standardized testing

**Answer: b. Differentiated instruction**

# Hindi

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## English

1. What is the term for a word that has the opposite meaning of another word? a. Synonym b. Antonym c. Homonym d. Homophone

**Answer: b. Antonym**

2. Which of the following is a vowel? a. B b. C c. E d. G

**Answer: c. E**

3. What is the plural form of "child"? a. Childs b. Childen c. Children d. Child's

**Answer: c. Children**

4. Identify the adjective in the following sentence: "The red car sped down the highway." a. Red b. Car c. Down d. Highway

**Answer: a. Red**

5. What is the past tense of the verb "sing"? a. Sings b. Sang c. Sung d. Singing

**Answer: b. Sang**

6. Which word is a conjunction in the following sentence: "I like both ice cream and cake"? a. I b. Like c. Both d. And

**Answer: d. And**

7. What is the comparative form of the adjective "good"? a. Goodest b. Gooder c. Better d. Best

**Answer: c. Better**

8. In the sentence "She is reading a book," what part of speech is "reading"? a. Verb b. Noun c. Adjective d. Adverb

**Answer: a. Verb**

9. What is the correct plural form of "person"? a. Persons b. People c. Peoples d. Persons'

**Answer: b. People**

10. Which of the following words is a pronoun? a. Quickly b. Beautiful c. They d. Delicious

**Answer: c. They**

### **Mathematics**

1. What is 15% of 80? a. 10 b. 12 c. 15 d. 20

**Answer: b. 12**

2.  $3x + 7 = 16$ , what is the value of x? a. 3 b. 6 c. 5 d. 9

**Answer: a. 3**

3. What is the product of 8 and 7? a. 15 b. 56 c. 64 d. 48

**Answer: b. 56**

4. If a shirt costs \$25 and is on sale for 20% off, what is the sale price? a. \$5 b. \$15 c. \$20 d. \$30

**Answer: c. \$20**

5. **Fifth Question:** If a rectangle has a length of 6 units and a width of 4 units, what is its area? a. 12 square units b. 18 square units c. 24 square units d. 30 square units

**Answer: c. 24 square units**

6. **Sixth Question:** What is the next number in the sequence: 2, 4, 8, 16, ...? a. 24 b. 32  
c. 64 d. 128

**Answer: c. 64**

7. **Seventh Question:** If a car travels at a speed of 60 miles per hour, how far will it travel in 3 hours? a. 80 miles b. 120 miles c. 180 miles d. 200 miles

**Answer: b. 120 miles**

8. **Eighth Question:** What is the square root of 144? a. 9 b. 12 c. 14 d. 16

**Answer: b. 12**

9. If 20% of a number is 30, what is the number? a. 60 b. 120 c. 150 d. 200

**Answer: b. 120**

10. What is 7% of 350? a. 21 b. 24.5 c. 28 d. 35

**Answer: a. 24.5**

## Reasoning

1. If all roses are red and some flowers are roses, then which of the following statements is true? a. All flowers are red. b. All roses are flowers. c. Some flowers are red. d. All flowers are roses.

**Answer: c. Some flowers are red.**

2. If APPLE is coded as 95221, how is ORANGE coded? a. 671357 b. 931096 c. 542916 d. 654791

**Answer: c. 542916**

3. In a group of 50 people, 30 are engineers and 20 are doctors. How many people are both engineers and doctors? a. 10 b. 20 c. 30 d. 40



**Answer: a. 10**

4. If LION is coded as 1234, how is TIGER coded? a. 56789 b. 45678 c. 12345 d. 54321

**Answer: b. 45678**

5. If all books are paper, and some papers are pens, then which of the following statements is true? a. All books are pens. b. Some pens are books. c. All pens are papers. d. Some books are papers.

**Answer: d. Some books are papers.**

6. If the day after tomorrow is a Saturday, what day is it today? a. Monday b. Tuesday c. Wednesday d. Friday

**Answer: c. Wednesday**

7. If  $8 + 4 = 12$ ,  $6 + 3 = 9$ , and  $7 + 5 = 35$ , what is  $5 + 2$ ? a. 14 b. 35 c. 12 d. 7

**Answer: b. 35**

8. If John is taller than Mike, and Mike is shorter than Sarah, who is the tallest? a. John b. Mike c. Sarah d. Not enough information to determine

**Answer: c. Sarah**

9. If the word "BREAD" is written as "EADRB," how is "TABLE" written? a. AELBT b. ETLBA c. ETABL d. AETLB

**Answer: a. AELBT**

10. If a clock shows 3:45, what is the acute angle between the hour and minute hands? a. 45 degrees b. 60 degrees c. 67.5 degrees d. 90 degrees

**Answer: c. 67.5 degrees**

## **Hariyana GK**

1. What is the capital city of Haryana? a. Gurgaon b. Faridabad c. Chandigarh d. Hisar

**Answer: c. Chandigarh**

2. Which river forms the western and southern boundaries of Haryana? a. Yamuna b. Sutlej c. Beas d. Ganges

**Answer: a. Yamuna**

3. Who is known as the "Lion of Haryana"? a. Bhagat Singh b. Sir Chhotu Ram c. Bansi Lal d. Bhupinder Singh Hooda

**Answer: b. Sir Chhotu Ram**

4. Which national highway connects Haryana to Delhi? a. NH-44 b. NH-48 c. NH-10 d. NH-52

**Answer: b. NH-48**

5. What is the largest district by area in Haryana? a. Gurgaon b. Rohtak c. Bhiwani d. Sirsa

**Answer: a. Gurgaon**

6. The famous "Surajkund International Crafts Mela" is held in which district of Haryana? a. Hisar b. Karnal c. Faridabad d. Ambala

**Answer: c. Faridabad**

7. Who was the first Chief Minister of Haryana? a. Bhagwat Dayal Sharma b. Om Prakash Chautala c. Bansi Lal d. Devi Lal

**Answer: d. Devi Lal**

8. Which bird sanctuary in Haryana is famous for its migratory birds? a. Kalesar Wildlife Sanctuary b. Sultanpur National Park c. Abubshahr Wildlife Sanctuary d. Bhindawas Wildlife Sanctuary

**Answer: b. Sultanpur National Park**

9. What is the state animal of Haryana? a. Nilgai b. Blackbuck c. Chinkara d. Indian Rhinoceros

**Answer: b. Blackbuck**

10. Which historical battle took place in the Kurukshetra region of Haryana? a. Battle of Haldighati b. Battle of Plassey c. Battle of Panipat d. Battle of Buxar

**Answer: c. Battle of Panipat**

## **Mathematics**

1. If  $2x + 3 = 7$ , what is the value of  $x$ ? a. 1 b. 2 c. 3 d. 4

**Answer: a. 1**

2. If  $3y - 5 = 10$ , what is the value of  $y$ ? a. 5 b. 7 c. 15 d.  $\frac{5}{3}$

**Answer: b. 7**

3. Solve for  $x$ :  $2(x + 4) = 18$ . a. 5 b. 6 c. 7 d. 8

**Answer: d. 8**

4. If  $4a - 9 = 15$ , what is the value of  $a$ ? a. 6 b. 8 c. 6.5 d. 7

**Answer: a. 6**

5. Solve for  $x$ :  $3x + 2 = 11$ . a. 2 b. 3 c. 4 d. 5

**Answer: d. 5**

6. If  $5b - 7 = 18$ , what is the value of  $b$ ? a. 5 b. 4 c. 7 d. 6

**Answer: d. 6**

7. Solve for  $x$ :  $2(2x - 3) = 14$ . a. 4 b. 5 c. 6 d. 7

**Answer: b. 5**

8. If  $6c + 4 = 16$ , what is the value of  $c$ ? a. 2 b. 3 c. 4 d. 5

**Answer: a. 2**

9. Solve for  $x$ :  $3(x + 7) = 30$ . a. 1 b. 2 c. 3 d. 4

**Answer: b. 2**

10. If  $8d - 5 = 27$ , what is the value of  $d$ ? a. 4 b. 5 c. 6 d. 7

**Answer: c. 6**

## Environmental Science

1. What is the primary greenhouse gas responsible for global warming? a. Carbon dioxide ( $\text{CO}_2$ ) b. Methane ( $\text{CH}_4$ ) c. Ozone ( $\text{O}_3$ ) d. Nitrous oxide ( $\text{N}_2\text{O}$ )

**Answer: a. Carbon dioxide ( $\text{CO}_2$ )**

2. Which of the following is a renewable source of energy? a. Coal b. Natural gas c. Solar power d. Nuclear power

**Answer: c. Solar power**

3. What is biodiversity? a. The total number of people on Earth b. The variety of life on Earth, including species diversity c. The amount of air pollution in a region d. The depth of the ocean

**Answer: b. The variety of life on Earth, including species diversity**

4. Which gas is responsible for the depletion of the ozone layer? a. Carbon dioxide (CO<sub>2</sub>) b. Chlorofluorocarbons (CFCs) c. Methane (CH<sub>4</sub>) d. Oxygen (O<sub>2</sub>)

**Answer: b. Chlorofluorocarbons (CFCs)**

5. What is the primary cause of soil erosion? a. Natural weathering b. Deforestation c. Volcanic eruptions d. Aquifer depletion

**Answer: b. Deforestation**

6. Which of the following is a non-renewable resource? a. Wind energy b. Natural gas c. Solar energy d. Geothermal energy

**Answer: b. Natural gas**

7. What is the main source of water pollution in many areas? a. Agricultural runoff b. Ocean currents c. Natural springs d. Desalination plants

**Answer: a. Agricultural runoff**

8. What is the process by which plants convert sunlight into chemical energy? a. Photosynthesis b. Respiration c. Decomposition d. Erosion

**Answer: a. Photosynthesis**

9. Which of the following is an example of a non-point source of pollution? a. Factory discharge b. Sewage treatment plant c. Fertilizer runoff from a field d. Smokestack emissions

**Answer: c. Fertilizer runoff from a field**

10. What is the term for the gradual increase in the Earth's average temperature? a. Global warming b. Ozone depletion c. Acid rain d. Desertification

**Answer: a. Global warming**