

Important CTET EVS Question and Answers with Solution

- Q1.** Fermentation is conversion of
(a) Sugar into alcohol
(b) Yeast into alcohol
(c) Sugar into CO₂
(d) Yeast into CO₂
- Q2.** Your house is located at X and the bookshop is located at Y. Although the market is just opposite but you cannot go straight because of the busy highway having barriers in between. So, you first go 100 m due North, then cross a 50 m long Zebra Crossing which is due West and finally reach the bookshop at Y which is 150 m due South. With respect to the bookshop at Y, the direction of your house at X is
(a) North-East
(b) North-West
(c) South-East
(d) South-West
- Q3.** Freeplay is where children
(a) can do outdoor or indoor activities
(b) follow the rules of the play
(c) play gender-specific games as suggested by adults
(d) organise specific activities
- Q4.** Sprouting in seeds can take place in the absence of
(a) Sunlight
(b) Air
(c) Moisture
(d) Moderate temperature
- Q5.** A person boarded an express train on 5th September, 2022 at Bhiwandi Road Railway Station for Nagercoil. The train departed at 21:15 hours from Bhiwandi Road and reached Nagercoil at 04:45 hours on 7th September, 2022. If the distance covered by the train is 1877 kilometres, the average speed of the train is
(a) 60.5 km/h
(b) 59.5 km/h
(c) 59.9 km/h
(d) 59.0 km/h

- Q6.** Pasteurized milk is heated to about then suddenly chilled & stored.
(a) 100°C for 15 minutes
(b) 100°C for 3 minutes
(c) 70°C for 5 minutes
(d) 70°C for 15 to 30 seconds
- Q7.** Based on the physical characteristics, Pumpkin plant can be classified as a
(a) Climber
(b) Shrub
(c) Creeper
(d) Herb
- Q8.** Reading by touching and feeling with fingers is used by people who are unable to
(a) hear
(b) talk
(c) touch
(d) see
- Q9.** The process of cooling due to evaporation is slow when the area of the water surface in contact with the atmosphere
(a) increases and the atmospheric temperature is high.
(b) increases and the atmospheric temperature is low.
(c) decreases and the atmospheric temperature is high.
(d) decreases and the atmospheric temperature is low.
- Q10.** The lively dance form of Bundelkhand region is
(a) Swang
(b) Matki
(c) Bhagoria
(d) Lavani
- Q11.** In case of plants, identify the correct option.
A. Plants prevent soil erosion.
B. Dead and dried leaves are used to make fertilizers and pesticides.
C. Animals provide shelter for plants.
D. Plants provide us seeds some of which can be eaten.
(a) A and B
(b) B and C
(c) C and D
(d) A and D
- Q12.** Parts of plants and their roles are mentioned below. The most appropriate statement is
(a) Roots connect the plant to the leaves.
(b) Fruits help in pollination.
(c) Flowers are the reproductive parts of the plant.
(d) Leaves support the upper part of the plant.

- Q13.** Select from the following a pair of Union Territories of India:
- (a) Mizoram and Lakshdweep
 - (b) Jharkhand and Chhattisgarh
 - (c) Ladakh and Puducherry
 - (d) Jammu and Kashmir and Nagaland
- Q14.** In a cultural festival, Shruti wore a traditional saree/dress of Maharashtra known as
- (a) Banarasi
 - (b) Nauvari
 - (c) Kalamkari
 - (d) Jamdani
- Q15.** As per 'The Prohibition of Child Marriage Act, 2006' minimum age for marriage in India is
- (a) 18 years for boys and 18 years for girls
 - (b) 18 years for girls and 21 years for boys
 - (c) 21 years for boys and 21 years for girls
 - (d) 21 years for girls and 25 years for boys
- Q16.** Madhu studying in class III identifies Rose and Tulsi plants planted at his home. Which of the following processes are involved in the identification of plants?
- A. Observation
 - B. Comparison
 - C. Prediction
 - D. Decision-making
- (a) A and B
 - (b) B and C
 - (c) C and D
 - (d) D and A
- Q17.** In the teaching-learning of EVS, objective of conducting Nature Walk is
- (a) to highlight flora and fauna and develop emotional bonding with nature
 - (b) to conduct a virtual tour of nature
 - (c) to walk in a park and ensure fitness of learners
 - (d) to engage learners in gardening and develop a kitchen garden
- Q18.** Rezi says that she cannot become a truck driver like her father. She has to look after household and children like her mother. Which of the following method will be most useful to address this gender related concept in class?
- (a) Group Discussion
 - (b) Movie demonstration
 - (c) Role play
 - (d) Play
- Q19.** While teaching EVS to primary school children you happen to come across certain children who live in single-parent families. What would be your response to such a situation?

- (a) Ignore these children and focus on the theme 'family and relationships'.
- (b) Sympathise with these children and ask them to explain the term 'family'.
- (c) Highlight difficulties faced by children in such families and focus on the topic.
- (d) Incorporate the context of such children and build a culture of empathy.

- Q20.** Rupal, a class V student, tells her teacher that when her younger sister cries, her grandmother says to her to stop crying otherwise an old man sitting on the moon will take her away. What will you do if you are Rupal's teacher?
- (a) Talk to Rupal's grandmother and forbid her from saying so.
 - (b) Talk to Rupal and explain that her grandmother is lying.
 - (c) Explain to Rupal about the moon and show that no such old man is there.
 - (d) Ask Rupal to collect information and verify this fact.
- Q21.** In class-I, as a teacher, you are expected to familiarise learners with the 'senses'. You will
- (a) ask learners to read about the topic and come prepared for the class.
 - (b) ask learners to write about senses in their own words.
 - (c) use concrete material to depict the function of each sense.
 - (d) use role-play to transact the function of each sense.
- Q22.** Which of the following statements is the most suitable explanation of the nature of EVS 7?
- (a) Adjustment between human behaviour & ecosystem
 - (b) Education from primary to secondary education
 - (c) A life-long continuous learning process about environment
 - (d) Understanding and information about environment
- Q23.** In class II, as an EVS teacher you have to transact 'Transport' topic in theme travel to the students, thus you will
- (a) ask students to read about it and make notes.
 - (b) show them a computer presentation on importance of transport.
 - (c) use information and communication tools and draw conclusions from their experiences.
 - (d) Read newspaper articles to decipher uses of transport.
- Q24.** Which of the following statements best exhibits the nature of EVS?
- (a) EVS is not a separate subject in itself.
 - (b) EVS is preparation of (Science and Social Science) subjects of upper primary classes.
 - (c) EVS is awareness and sensitivity about environment and environmental problems.
 - (d) EVS is the efficiency of removing environmental problems.
- Q25.** Which of the following activities are appropriate for transacting 'here comes a letter' to the students of class III?
- A. Read chapter on 'communication' and do related exercises.
 - B. Ask students to collate information and then write in their own words.
 - C. Prepare students for letter-writing to their grandparents.
 - D. Plan a visit to the local post office to experience the work of a postman.

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

- Q26.** Which of the following statements are true in the context of EVS learning of children?
- A. Children are actively connected to the world around them.
 - B. Children coming from different backgrounds have similar contextual experiences.
 - C. Diversity makes the teaching-learning process challenging.
 - D. Diversity is an important resource in teaching-learning process.
- (a) A, B and C
 - (b) A, C and D
 - (c) B, C and D
 - (d) A, B and D
- Q27.** In order to introduce the topic 'Birds' to the students of class IV, which one of the following would you prefer?
- (a) Provide models of birds along with their names to your students for them to memorise.
 - (b) Ask students to write about 'Birds' in their own words.
 - (c) Use nature walk to identify local birds, their habits and habitats.
 - (d) Show a video on birds followed by digital presentation.
- Q28.** Vani said, "Mango tree is like an open umbrella." Which processes have been used by Vani in this statement?
- A. Observation
 - B. Comparison
 - C. Decision-making
 - D. Imagination
- (a) A, B and C
 - (b) B, C and D
 - (c) A, C and D
 - (d) A, B and D
- Q29.** During the transaction of class III topic on 'Water' students shared instances of people being refused to drink water from common resources like wells, ponds, etc. How would you deal with such a situation?
- A. Ask students to not get distracted and focus on the topic.
 - B. Ask students to not share such situations in class.
 - C. Ask them to share experiences and emphasise the values of equality.
 - D. Ask them to share experiences and write an essay on 'water conservation'
- (a) B and C
 - (b) A, B and D
 - (c) A, C and D
 - (d) Only D

- Q30.** Which of the following objectives is the most important for EVS subject?
- (a) Development of understanding of subject concepts
 - (b) Development of understanding of practical activity
 - (c) Development of abilities of observation, enquiry, logic and conclusion
 - (d) Development of ability to decide right and wrong on the basis of conscience

Solutions

S1. Ans.(a)

Sol. The process of converting sugar into alcohol is called Fermentation. Fermentation is an anaerobic process where even though oxygen is not available, energy can be released from glucose. Fermentation occurs in yeast cells and bacteria and also in the muscles of animals. It is an anaerobic pathway in which glucose is broken down.

S2. Ans.(a)

Sol. Direction is divided into 8 sections, 4 cardinal directions, and 4 ordinal directions.

- The four cardinal directions are the directions north, east, south, and west, commonly denoted by their initials N, E, S, and W.
- East and west are perpendiculars to north and south.
- East is in the clockwise direction of rotation from north and west is directly opposite east.
- The ordinal directions are northeast (NE), southeast (SE), southwest (SW), and northwest (NW).
- NE, SE, SW, and NW lie in between the cardinal directions north and east, south and east, south and west, and north and west respectively.

S3. Ans.(a)

Sol. Free play allows children to explore their environment, exercise their creativity, and make their own decisions about how to play and interact with others.

S4. Ans.(a)

Sol. Sprouting in seeds can occur in the absence of sunlight, as the process of sprouting primarily relies on the internal reserves of the seed rather than photosynthesis.

S5. Ans.(b)

Sol. Distance covered = 1877 km

Total time taken = 5th Sep 21:15 hours to 7th Sep 04:45 hours = 31.5 hrs

Average Speed = $1877/31.5$ km/h = 59.5 km/h

S6. Ans.(d)

Sol. Pasteurised milk can be consumed without boiling as it is free from harmful microbes. The milk is heated to about 70°C for 15 to 30 seconds and then suddenly chilled and stored. By doing so, it prevents the growth of microbes. This process was discovered by Louis Pasteur. It is called pasteurisation.

S7. Ans.(c)

Sol. Based on the physical characteristics, Pumpkin plant can be classified as a Creeper. Creepers are plants that creep across the earth, as their name suggests. Plants with weak stems that cannot stand upright but spread on the ground are called creepers. Watermelon, strawberries, pumpkin, and sweet potatoes are some examples.

S8. Ans.(d)

Sol. Braille, reading by touching is a way for blind people to read. Braille, a universally accepted system of writing used by and for blind persons and consisting of a code of 63 characters. Each character made up of one to six raised dots arranged in a six-position matrix or cell.

S9. Ans.(d)

Sol. The process of cooling due to evaporation is fast when the area of water surface in contact with the atmosphere increases. The atmospheric temperature becomes high and the humidity (water vapour) in the air is low.

S10. Ans.(a)

Sol. The lively dance from of Bundelkhand region is Swang. In the Bundelkhand region of India, this dance is popular mainly in the state of Haryana, also in Rajasthan, Uttar Pradesh and the Malwa region of Madhya Pradesh. The Swang is a type of musical drama, in which folktales are dramatized with folk songs, music and dance etc.

S11. Ans.(d)

Sol. Plants serve various important roles in the ecosystem and interact with their surroundings in multiple ways. Plants play a crucial role in preventing soil erosion. The root systems of plants help hold the soil in place, reducing the risk of erosion caused by wind or water. By anchoring themselves in the ground, plants bind the soil particles together, making it less susceptible to being washed away. Furthermore, plants provide us with seeds, many of which are edible and serve as a valuable food source. They contain the necessary nutrients and genetic material for the growth of new plants.

S12. Ans.(c)

Sol. The correct answer is flowers are the reproductive parts of the plant.

As a plant's reproductive part, a flower contains a stamen (male flower part) or pistil (female flower part). The pistil is the female reproductive unit of plants.

A pistil has the following three major parts:

- Stigma: The stigma is at the top and is connected to the ovary by the style. It receives the pollen grains.
- Style: It is an elongated slender part beneath the stigma, that connects the stigma with the ovary.
- Ovary: It is the basal swollen part of the pistil.

The stamen is the male reproductive unit of plants and consists of the following two parts:-

- Filament: A long and slender stalk called filament which may be joined or free.
- Anther: A bilobed terminal structure called the anther.

All of these parts help in plant reproduction and ultimately result in the growth of a new plant.

S13. Ans.(c)

Sol. There are currently 28 states and 8 union territories in India.

Union Territories in India are:-

1. National Capital Territory of Delhi
2. Andaman and Nicobar Islands
3. Dadra and Nagar Haveli and Daman and Diu
4. Chandigarh
5. Lakshadweep
6. Ladakh
7. Puducherry
8. Jammu and Kashmir

S14. Ans.(b)

Sol. The correct answer is (b).

Nauvari – A single nine-yard sari also known as Kasta saree.

S15. Ans.(b)

Sol. As per 'The Prohibition of Child Marriage Act, 2006' minimum age for marriage in India is 18 years for boys and 18 years for girls.

S16. Ans.(a)

Sol. The following processes are involved in the identification of plants:-

- Observation is the process of gathering information through the senses, such as looking at the physical at the physical characteristics of the plants, noting their colors, shapes, and other distinguishing features.
- Comparison involves comparing the observed characteristics of the plants with known information or prior knowledge to identify and differentiate between them. In this case, Madhu compares the characteristics of the Rose and Tulsi plants to identify them correctly.

S17. Ans.(a)

Sol. The objective of conducting a nature walk in the teaching – learning of Environmental Studies (EVS) is to provide an opportunity for students to explore and observe the natural environment, including flora and fauna.

S18. Ans.(a)

Sol. In the given scenario, a group discussion can be valuable tool to address Rezi's concern about gender roles and expectations. Students can discuss the challenge faced by Rezi and other individual who feel limited by traditional gender roles. They can explore the impact of such expectations on career choices and aspirations, and discuss ways to promote gender equality and empower individuals to pursue their interests and goals.

S19. Ans.(d)

Sol. When encountering children who live in single-parent families while teaching EVS, it is essential to acknowledge and respect the diversity of family structures.

- It is important not to ignore or isolate these children but instead create an inclusive and supportive environment that embraces their experiences.
- By incorporating the context of children from single-parent families into the curriculum, educators can help build a culture of empathy and understanding among all students.
- This can be done by discussing different family structures, highlighting the strengths and challenges that children may face in various family contexts, and promoting respect and acceptance for all types of families.
- This approach promotes inclusively, understanding, and respect among students.

S20. Ans.(d)

Sol. As Rupal’s teacher, I would ask her to collect information and verify the fact about the old man sitting on the moon. This approach encourages Rupal to engage in independent research, critical thinking, and fact-checking. By asking Rupal to gather information, she can learn how to seek reliable sources, evaluate information, and develop her research skills. This process will help her understand that beliefs and statements should be based on evidence and facts.

S21. Ans.(c)

Sol. By using concrete materials, such as props, visuals, or interactive activities, the teacher can help students engage their senses and directly experience how each sense functions.

S22. Ans.(c)

Sol. The nature of EVS is described as a lifelong, continuous learning process focused on the environment.

S23. Ans.(c)

Sol. Instead of asking students to read and make notes or relying solely on computer presentations or newspaper articles, using information and communication tools and drawing conclusions from their own experiences would be more effective. The teacher can employ interactive and age-appropriate methods such as discussions, group activities, and visual aids to introduce to concept of transport.

S24. Ans.(c)

Sol. The primary goal of EVS is to create awareness and sensitivity towards the environment and environmental problems.

S25. Ans.(d)

Sol. Prepare students for letter-writing to their grandparents – It involves preparing students for letter-writing to their grandparents. This activity allows students to practice the skill of writing letters, apply their knowledge of letter format and structure, and establish a personal connection with the topic by communicating with their grandparents.

Planning a visit to the local post office to experience the work of a postman can provide students with a hands-on learning experience and help them understand the process of sending and receiving letters.

S26. Ans.(b)

Sol. Children are actively connected to the world around them. This statement recognizes that children have a natural curiosity and are constantly observing, exploring, and making connections with their environment. EVS learning builds on this active engagement with the world to deepen their understanding of the environment.

Diversity makes the teaching-learning process challenging. While diversity can present challenges in the teaching-learning process, it also brings valuable opportunities for learning and growth. The presence of diverse backgrounds, perspectives, and experiences can enrich discussions, foster critical thinking, and promote empathy and understanding among students.

Diversity is an important resource in the teaching-learning process. This statement is true. Diversity in the classroom provides a wide range of perspectives, ideas, and experiences that can enhance learning. It allows students to learn from one another, appreciate different viewpoints, and develop intercultural competence.

S27. Ans.(c)

Sol. Nature walks provide an excellent opportunity for students to engage directly with their surroundings and observe birds in their natural habitats.

- This hands-on experience allows students to actively participate in the learning process, enhancing their understanding and appreciation of birds.
- During the nature walk, the teacher can guide students in identifying local birds, observing their behaviors, and noting their habitats. This helps students connect theoretical knowledge about birds with real-life experiences, making the learning more meaningful and memorable.

S28. Ans.(d)

Sol. The processes used by Vani in her statement “Mango tree is like an open umbrella” are:-

- Observation – Vani has observed the physical appearance or structure of a mango tree, noticing its resemblance to an open umbrella.
- Comparison – Vani has made a comparison between the mango tree and an open umbrella, highlighting their similarity in terms of shape or structure.
- Imagination – Vani has used her imagination to form a mental image or concept of a mango tree resembling an open umbrella.

S29. Ans.(c)

Sol. The most appropriate way to deal with the situation where students share instances of people being refused to drink water from common resources like wells, ponds, etc., during the transaction of the class III topic on ‘Water’ is:

- Asking students to not get distracted and focus on the topic, is important to ensure that the discussion remains relevant and aligned with the learning objectives. It helps maintain a productive learning environment.
- Asking students to share their experiences and emphasizing the values of equality, is crucial. This approach allows students to express their observations and concerns related to water access and highlights the importance of equal access to water resources for all individuals.
- Asking students to share their experiences and write an essay on ‘water conservation’, is a valuable activity that encourages critical thinking and reflection on the topic. It promotes deeper understanding and encourages students to consider solutions and actions for water conservation.

S30. Ans.(c)

Sol. EVS is a subject that aims to develop students’ understanding of the environment, its components, and the interrelationships between humans and the environment.

- By nurturing the abilities of observation, enquiry, logic, and conclusion, students can actively engage with the subject matter, explore environmental issues, gather evidence, draw logical conclusions, and develop informed perspectives.
- This objective also aligns with the broader goals of EVS, which include promoting scientific temper, fostering a sense of inquiry, and encouraging students to become environmentally conscious and responsible citizens.

