

S-CAT Advantage



A set of 6 papers along with
answer key to gain Advantage
in NELTAS S-CAT Exam



1. **Which habitat has ground covered with the snow most of the year?**
 - a. Forest
 - b. Arctic
 - c. Ocean
 - d. Grassland

2. **What do the roots of the plants do?**
 - a. They protect the seeds.
 - b. They make food for the plant.
 - c. They move the water through the plant.
 - d. They absorb water and minerals from the ground.

3. **Animals use different body parts to help them to move. Which of the following does not help in the movement?**
 - a. Fins
 - b. Wings
 - c. Legs
 - d. Gills

4. **It is a soft and furry pet. It likes to eat mice.**
 - a. Cat
 - b. Dog
 - c. Rat
 - d. Parrot

5. **We get honey from _____.**
 - a. web
 - b. kennel
 - c. nests
 - d. beehives

6. **Which of the following is the sense organ?**
 - a. Eye
 - b. Hair
 - c. Tail
 - d. Nail

7. **We should eat _____.**
 - a. fresh food
 - b. raw food
 - c. stale food
 - d. fast food

8. **It protects our body from diseases.**
 - a. Protein
 - b. Vitamins
 - c. Fibre
 - d. Water

9. **Which of the following traffic signals for vehicles indicates that you can cross the road?**
 - a. Red light
 - b. Yellow light
 - c. Orange light
 - d. Green light

10. **Which of the following is NOT a good touch?**
 - a. Pat
 - b. Hug
 - c. Punch
 - d. None of these

11. **How should you take care of your hair?**
 - a. Shampoo your hair every day.
 - b. Always keep your hair cover.
 - c. Colour your hair with dye.
 - d. Comb or brush your hair regularly.

1. Choose the non-living thing from the pictures shown below:



a.



b.



c.



d.

2. Which type of plant needs external support to grow upwards?

- a. Shrubs b. Herbs c. Trees d. Climbers

3. How many pairs of legs do insect have?

- a. 1 b. 2 c. 3 d. 4

4. Which of the following birds swim?

- a. Peacock b. Crow c. Hen d. Duck

5. Which of the following is not an internal body organ?

- a. Thumb b. Intestine c. Windpipe d. Kidney

6. Respiratory system consists of _____.

- a. windpipe b. lungs c. nose d. all of these

7. What does the sign given below indicate?

- a. No parking
b. No horn
c. No entry
d. No stopping



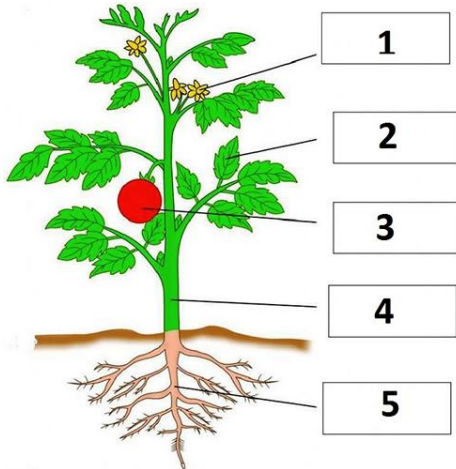
8. What must you do if you are not comfortable with people touching you?

- a. Cry b. Keep quiet c. Say NO! d. Fake smile

1. Which of the following belongs to oilseeds?

- a. Oats, Jowar
- b. Sunflower, Groundnut
- c. Brinjal, Tomato
- d. All of these

2. Name the part labelled as 3?

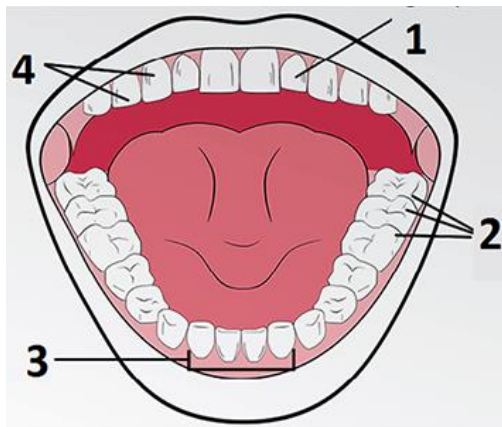


- a. Stem
- b. Fruit
- c. Leaf
- d. Flower

3. Adya plucked a water lily plant from a pond near her school. She observed that it has a long hollow stem. Can you explain the function of such stem?

- a. It helps to keep the plant afloat on water.
- b. It helps to absorb water.
- c. It fixes the plant to the bottom of the pond.
- d. None of these.

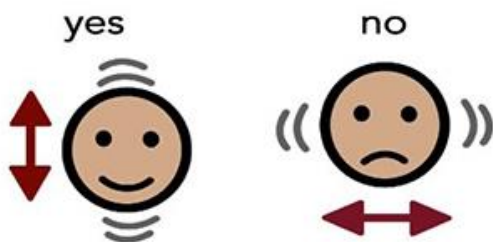
4. Observe the given diagram and identify the type of teeth labelled 3.



- a. Incisors
- b. Canines
- c. Premolars
- d. Molars

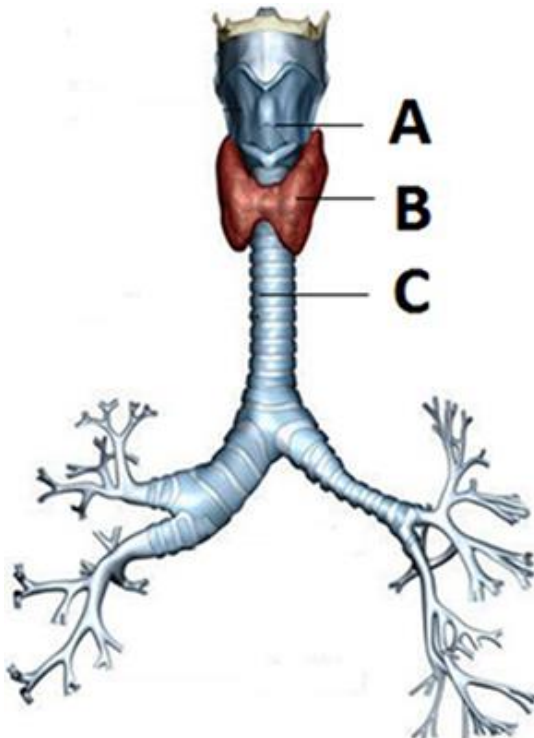
1. Which of the following is NOT a male part of a flower?
- a. Stamen b. Carpel c. Anther d. Pollen

2. Observe the diagram. Which joint is Mintu using to say 'Yes' or 'No'?



- a. Pivot b. Gliding c. Hinge d. Ball and socket
3. Vitamin D : Rickets :: Vitamin C : _____
- a. Scurvy b. Night blindness c. Beriberi d. None of these
4. Adulteration takes place more commonly in _____ food items.
- a. packed b. loosely sold c. both a and b d. neither a nor b
5. Which of the following statement is INCORRECT?
- a. Soil helps forests to grow and regenerate.
b. Forest influences climate.
c. Animals and plants in a forest are not dependent on each other.
d. Forest protects the soil from erosion.
6. Choose the odd one out from the following.
- a. Diesel b. Petrol c. CNG d. LPG
7. Boiling point of water : 100 degree Celsius :: Freezing point of water : _____
- a. 0 degree Celsius b. 100 degree Celsius
c. 100 degree Fahrenheit d. 0 degree Fahrenheit
8. Balloon : Float :: Stone : _____
- a. Bounce b. Float c. Sink d. Balloon
9. Which of the following are SI units (International System of Units)?
- a. Metre b. Kilogram c. Second d. All of these
10. In the SI system, the unit of area is _____.
- a. metre b. square c. metre square d. metre cube

- The part of a plant that anchors the plant in the ground is _____.
 a. root b. flower c. leaf d. stem
- Which of the following is a biotic component of the environment?
 a. Plants b. Animals
 c. Microorganisms d. All of these
- The organelle that controls all activities in the cell is _____.
 a. ribosome b. mitochondria c. nucleus d. lysosome
- A doctor examined the improper digestion of fat in the body of a patient. According to the doctor, the organ that secretes bile has been damaged due to the consumption of excessive alcohol by the patient. What organ of the patient has been damaged?
 a. Kidney b. Pancreas c. Lungs d. Liver
- Which of the following labelling is correct?



- | | | |
|---------------------|------------------|------------------|
| a. A. Trachea | B. Thyroid Gland | C. Larynx |
| b. A. Larynx | B. Thyroid Gland | C. Trachea |
| c. A. Larynx | B. Trachea | C. Thyroid Gland |
| d. A. Thyroid Gland | B. Trachea | C. Larynx |

1. **Which of the following statements correctly explains the process of photosynthesis in plants?**
 - a. In the presence of sunlight, chlorophyll uses water, oxygen, and carbon dioxide to produce food.
 - b. In the presence of sunlight, chlorophyll uses water and carbon dioxide to produce food.
 - c. In the presence of sunlight, chlorophyll uses water and oxygen to produce food.
 - d. In the presence of sunlight, chlorophyll uses oxygen and carbon dioxide to produce food.

2. **Cud is the name given to the food of ruminants which is _____.**
 - a. swallowed and undigested
 - b. properly chewed and completely digested
 - c. swallowed and partially digested
 - d. properly chewed and partially digested

3. **A patient visited a doctor and complained that for the last one month, her urine output is very low. After examination, the doctor said that this is due to the malfunctioning of the blood capillaries that help in the filtering of blood. Which organ of the excretory system has these blood capillaries?**
 - a. Kidney
 - b. Urinary bladder
 - c. Ureter
 - d. Urethra

4. **The body posture is maintained by _____.**
 - a. cerebrum
 - b. medulla oblongata
 - c. cerebellum
 - d. spinal cord

5. **The end product of photosynthesis is _____.**
 - a. lactose
 - b. cellulose
 - c. fructose
 - d. glucose

6. **Aspergillus conidiophores is a type of _____.**
 - a. fungus
 - b. vitamin
 - c. pollen grain
 - d. mineral

7. **Who suggested five kingdom classifications?**
 - a. R. H. Wittaker
 - b. Robert Brown
 - c. Carl Linnaeus
 - d. Schleiden

- 1. What is the organic substance obtained from dead plants and animal waste known as?**
 - a. Fertilizer
 - b. Manure
 - c. Both a and b
 - d. Neither a nor b
- 2. The ascent of sap in plants takes place through _____.**
 - a. xylem
 - b. phloem
 - c. lenticels
 - d. stomata
- 3. Nitrogen-fixing bacteria in the root nodules of leguminous plants are called _____.**
 - a. Rhizobium
 - b. Nitrobacter
 - c. Nitrosomonas
 - d. Blue-green algae
- 4. Pollen grains are produced in the _____.**
 - a. filament
 - b. pistil
 - c. anther
 - d. none of these
- 5. Which one of the following hormones converts glycogen into glucose?**
 - a. Insulin
 - b. Glucagon
 - c. Thyroxine
 - d. None of these
- 6. The animals that produce young ones are called _____.**
 - a. viviparous
 - b. oviparous
 - c. both a and b
 - d. neither a nor b
- 7. Why is nylon advantageous?**
 - a. It is soft, non-elastic and light.
 - b. It is transparent, light and easy to wash.
 - c. It is strong, elastic and light.
 - d. All of these.
- 8. Which of the following natural resources are exhaustible?**
 - a. Wind, Sunlight and Coal
 - b. Petroleum, Sunlight and Coal
 - c. Petroleum and Coal
 - d. None of these
- 9. Satyajeet took three substances X, Y, and Z. He burnt them one by one. He noted down his observations as given below:**

1. Substance X burns quickly producing heat and light.

2. Substance Y burns at room temperature on its own.

3. Substance R burns with the evolution of heat, light, and sound.

Which of the following statements regarding the above information is correct?

- a. Substance X is undergoing spontaneous combustion, Y is undergoing rapid combustion while Z is undergoing an explosion.
- b. Substances X and Y are undergoing rapid combustion whereas Z is undergoing an explosion.
- c. Substance X is undergoing rapid combustion, Y is undergoing spontaneous combustion while Z is undergoing an explosion.
- d. Substances X and Y are undergoing spontaneous combustion whereas Z is undergoing rapid combustion.