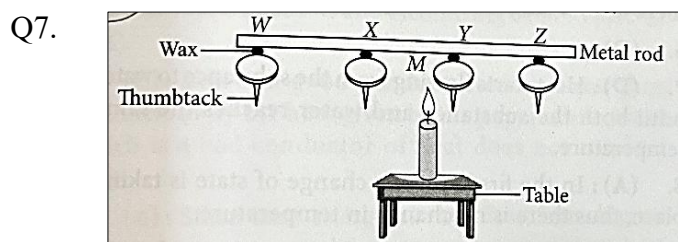


Q6. Two organisms are good friends and live together. One provides shelter, water, and nutrients, while the other prepares and provides food. Such an association of organisms is termed as _____.

- a) saprophyte
b) parasite
c) autotroph
d) symbiosis



Rohan set up an experiment as shown here. (1)

He placed the lighted candle below the metal rod at position M. He used the same amount of wax to hold all the thumbtacks at positions W, X, Y and Z on the rod. Arrange the thumbtacks according to the time they take to drop from the rod, from the first to the last.

- a) Y, X, W, Z
b) Y, X, Z, W
c) X, Y, W, Z
d) W, Z, Y, X

Q8. Which of the following statements is or are correct? (1)

- a) Insectivorous plants do not perform photosynthesis at all and they obtain nutrients from insects.
b) Parasitic nutrition is a type of "Heterotrophic Nutrition".
c) The association of pulses plant with rhizobium bacteria is example of saprotrophic relationship.
d) None of the above.

Q9. Formation of rainbow can be explained using which of the following properties of light? (1)

- a) Refraction
b) Reflection
c) Dispersion
d) All of the above

Q10. Breathing is a _____ process and respiration is a _____ process. (1)

- a) chemical, physical
b) physical, mechanical
c) biochemical, physical
d) physical, biochemical

Q11. Which of the following follows both the autotrophic as well as the heterotrophic mode of nutrition (1)

- a) Fungi
b) Insectivorous
c) Algae
d) Parasites

Q12. The bile plays an important role in the digestion of _____. (1)

- a) carbohydrates
b) fats
c) sugar
d) starch

Q13. Which of the following statements is/are true? (1)

- I. Dark coloured clothes are preferred during night.
II. Sea breeze blows during day time.
III. There is a kink in a digital thermometer and kink contains mercury.
IV. The hotness of an object is determined by its temperature.

- a) I and II only
b) II and III only
c) I, II and IV only
d) I, II, III and IV.

Q14. Raj standing in front of a plane mirror. The distance between Raj and his image in the plane mirror is 20 m. How much distance should he move in order to get the distance of 10 m between himself and his image? (1)

- a) 5 m away from the mirror.
b) 10 m towards the mirror.
c) 5 m towards the mirror.
d) 10 m away from the mirror.

