Science Miscellaneous Quiz

Q1. When beams of red, blue and green lights fall on the same spot, the colour of the light becomes:

(a) Violet
(b) Red
(c) Yellow
(d) White

Q2. What is the distance between two successive crests or successive troughs called?

(a) Amplitude
(b) Wavelength
(c) Frequency
(d) None of these

Q3. A 100 watt electric bulb is used for 10 hours. What will be the cost of electricity consumed, if the consumption cost is Rs. 5 per unit?

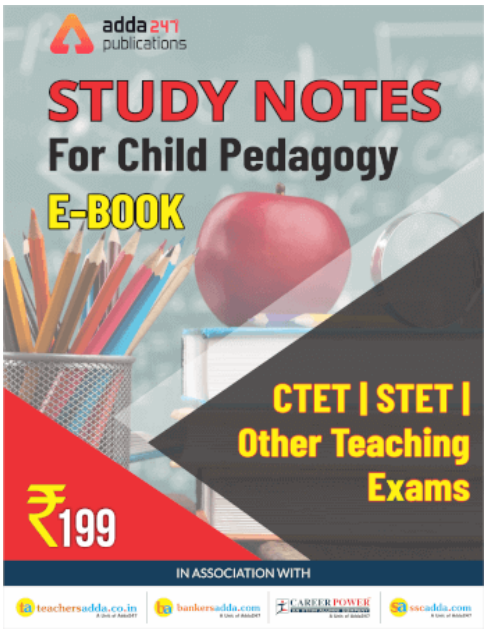
(a) Rs. 5
(b) Rs. 10
(c) Rs. 25
(d) Rs. 50

Q4. Which of the following metals is used as filament in lighting bulbs?

(a) Iron
(b) Molybdenum
(c) Silver
(d) Tungsten

Q5. The principle of atomic bomb is based on-

(a) Nuclear fusion
(b) Nuclear Fission
(c) Above both
(d) Above none



Q6. Ozone hole refers to

(a) hole in ozone layer

(b) decrease in the ozone layer in troposphere

(c) decrease in thickness of ozone layer in stratosphere

(d) increase in the thickness of ozone layer in troposphere

Q7. Plants receive their nutrients mainly from

(a) chlorophyll

(b) atmosphere

(c) light

(d) soil

Q8. Movement of cell against concentration gradient is called

(a) osmosis

(b) active transport

(c) diffusion

(d) passive transport

Q9. Photosynthesis generally takes place in which parts of the plant?

(a) Leaf and other chloroplast bearing parts

(b) stem and leaf

(c) Roots and chloroplast bearing parts

(d) Bark and leaf

Q10. Plants synthesis protein from

(a) starch

(b) sugar

(c) amino acids

(d) fatty acids

Solutions

S1. Ans.(d)

Sol. Red, green and blue are referred to as the primary colours of light. If we add the pair of primary colours we obtain white colour.

S2. Ans.(b)

Sol. The distance between two successive crests or two successive troughs is the wavelength for a transverse wave.

S3. Ans.(a)

Sol. Energy Consumption of 100 watt electric bulb which is used for 10 hours = 100 × 10
= 1000 watt hour
= 1 kilo watt hour
= 1 unit.
According to question the cost of 1 unit of electricity = Rs. 5

S4. Ans.(d)

Sol. Tungsten metal is used as filament in lighting bulbs.

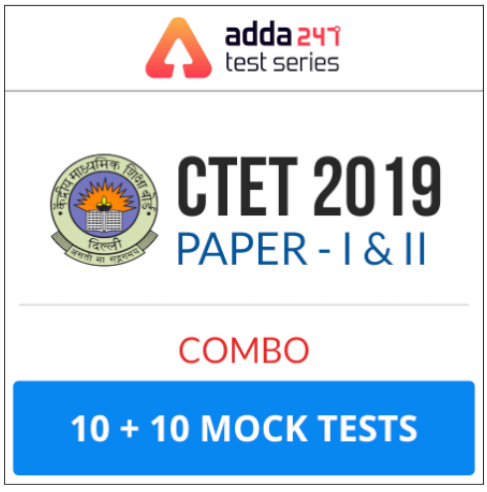
S5. Ans.(b)

Sol. The principle of atomic bomb is based on nuclear fission while fusion weapons are referred as thermonuclear bombs or hydrogen bomb.

S6. Ans.(c)

S7. Ans.(d)

S8. Ans.(b)

S9. Ans.(a)

S10. Ans.(c)