

MP Board Class 10th Science 2024 Answer Key

Q: Which of the following methods is suitable for preventing an iron frying pan from rusting?

- (a) Applying grease
- (c) Applying a coating of zinc
- (b) Applying paint
- d) Applying a coating of chromium.

Answer: (c) Applying a coating of zinc

Q: Butanone is a four-carbon compound with the functional group

- (a) Carboxylic acid
- (b) Aldehyde
- (c) Ketone

Answer: (c) Ketone

Q: The breakdown of pyruvate gives carbon dioxide, water, and energy. this reaction takes place in

- (a) Cytoplasm
- (c) Chloroplast
- (b) Mitochondria
- (d) Nucleus

Answer: (b) Mitochondria

Q: The gap between two neurons is called

- (a) Dendrite
- (c) Axon
- (b) Synapse
- (d) Impulse

Answer: (b) Synapse

Q: Which one of the following types of medicines is used for indigestion?

- (a) Antibiotic

- (b) Analgesic
- (c) Antacid
- (d) Antiseptic

Answer: (c) Antacid

Q: Fill in the Blanks

- (i) At the time of short circuit, the current in the circuit is **high**.
- (ii) The disposal of the waste we generate is causing serious **health** problems.
- (iii) The least distance of distinct vision for a young adult with normal vision is about **25 cm**.
- (iv) Scattering of light causes the **blue** color of sky.
- v) The SI unit of electric power is **Watt**.
- vi) The potential difference is measured by the means of an instrument called **Voltmeter**.

Q: Answer True or False:

- i) False
- ii) True
- iii) True
- iv) False
- v) False
- vi) True

Q: Write the answers in one word/sentence each:

- (i) Who worked out the main rules of such inheritance?

Ans: Gregor Johann Mendel.

- (ii) Danger Signal lights are red, why?

Ans: Least scattered color.

(iii) Write the commercial unit of electrical energy.

Ans: 1 unit = 1 kWh

(iv) Write the full form of M.R.I.

Ans: Magnetic Resonance Imaging

(v) What is the blood pressure?

Ans: The force of circulating blood on the walls of the arteries

(vi) Write the name of the plant hormone that helps in the growth of the stem.

Ans: Gibberellins

