

Class _____

Marks : _____

Subject _____

Time : _____

Name: _____

Roll No. : _____

Division : _____

Question 1

Normal temperature of the human body is _____.

- A.
- B.
- C.
- D.

Question 2

If you hold a cup of boiling water and then hold a cup of warm water, what will your hand feel?

- A. First hot, then relatively cooler.
- B. Hot all the time.
- C. Cool all the time.

Question 3

Pramod is asked to dip his hand in a bowl of water at room temperature. What should he do in order to make the water feel warmer than it is?

- A. Dip his hand in a bowl of cold water first.
- B. Dip his hand in a bowl of lukewarm water first.
- C. Dip his hand in a bowl of hot water first.

Question 4

What type of clothes should be worn in hot summer months?

- A. Dark-coloured cotton clothes
- B. Light-coloured woollen clothes
- C. Light-coloured cotton clothes

Question 5

Radha dips her hand first in hot water and then in water which is at room temperature. How does the water at room temperature feel to her?

- A. Normal
- B. Cool
- C. Hot

Question 6

Sanjay's mother feels his forehead to check if he has fever. She thinks he has fever. But when she checks with a thermometer, she finds out that he does not have fever.

Why did Sanjay's mother think he had fever?

- A. Because Sanjay put a cloth soaked in cold water on his forehead.
- B. Because his mother had just washed her hands in cold water.
- C. Because his mother had just washed her hands in hot water.

Question 7

What happens when you touch a metal vessel being heated on a stove?

- A. Heat flows from your hand to the vessel.
- B. Your hand loses some of its heat energy.
- C. Heat flows from the vessel to your hand.
- D. Your hand will feel a burning sensation.

Question 8

What does the temperature of an object measure?

- A. How hot or cold the object is.
- B. How much heat energy the object has.
- C. How much heat energy the object produces.

Question 9

Why did John feel cold just after having a bath?

- A. Because he used hot water to bathe.
- B. Because he used cold water to bathe.
- C. Because he bathed in water at room temperature.

Question 10

What do you mean by sublimation?

- A. It is the change of state where a solid changes into a gas directly without changing into a liquid and vice versa.
- B. It is the change of state at different temperatures
- C. It is liquid changing into solid
- D. It is gas changing into solid

Question 11

A large crystal of potassium permanganate is added to a glass beaker containing water. After a few hours, the solution turns pink. What should be done to ensure that the above change takes place in just a few minutes?

- A. The water used should be thoroughly filtered
- B. Hot water should be used and the lump should be broken into smaller pieces
- C. Oil should be used instead of water
- D. A few crystals of Copper Sulphate should also be mixed in the water

Question 12

What are the effects of increase in temperature on a state of matter?

- A. Increase in temperature weakens the intermolecular forces of attraction
- B. Increase in temperature increases the kinetic energy of the particles
- C. Increase in temperature results in decrease in intermolecular spaces
- D. Increase in temperature can cause the change in the states of matter

Question 13

What is a freezing point?

- A. Temperature at which a solid changes to its liquid state
- B. Temperature at which a liquid changes to its solid state
- C. Temperature at which a gas changes to its solid state
- D. Temperature at which a solid changes to another solid

Question 14

If the temperature of an object is 268 K, it will be equivalent to _____ .

- A.
- B.
- C.
- D.

Question 15

Why do people wear cotton clothes in summer?

- A. Because cotton helps sweat to evaporate faster
- B. Because cotton is a good absorber of heat
- C. Because cotton is a good absorber of energy
- D. Because cotton is a good absorber of water

Question 16

During summer, water kept in an earthen pot becomes cool because of the phenomenon of...

- A. diffusion
- B. transpiration
- C. osmosis
- D. evaporation

Question 17

'X' wants to dry the washed clothes fast. What should she do?

- A. Keep the clothes folded in a bag.
- B. Spread out the clothes.
- C. Keep the clothes in a cool place.
- D. Keep the clothes folded in a hot place

Question 18

What is fusion?

- A. Condensing a substance
- B. Freezing a substance
- C. Boiling a substance
- D. Melting a substance

Question 19

Which of the following processes release heat?

(i) condensation (ii) vapourization (iii) freezing (iv) melting.

- A. Only (i)
- B. Only (iv)
- C. (i) and (iii)
- D. (ii) and (iv)

Question 20

Chapattis are being roasted on *atava* on a stove. How is heat transferred from the fire to the chapatti?

- A. Convection
- B. Conduction
- C. Radiation

Question 21

Vijay does not use tongs when cooking food. He holds the handle of the pan while cooking. What kind of pan should he use?

- A. A pan with a plastic-covered handle
- B. A pan with a steel handle
- C. A pan with an aluminium handle

Question 22

Water is a poor conductor of heat. But a bowl of water will get heated when placed on a stove. How does this happen?

- A. The water gets heated up by conduction, but the process is very slow.
- B. The water gets heated up by radiation.
- C. The water gets heated up by convection.

Question 23

How does a metal spoon held in a candle flame get heated from one end to the other?

- A.
The metal atoms near the flame gain heat. They move to the other end of the spoon, so the entire spoon becomes hot.
- B.
The metal atoms near the flame gain heat. They transfer the heat from one atom to the next, till the entire spoon becomes hot.