

PREVIOUS YEAR QUESTION PAPER
SUMMATIVE ASSESSMENT-II
CLASS: VII SUBJECT : SCIENCE

Time Duration: 3 hours

Maximum Marks : 90

Q.1 Choose and write the correct option (1x12=12)

- i) The fastest mode of heat transfer is
 - a) Conduction
 - b) Convection
 - c) Radiation
 - d) None of these
- ii) Convection takes place in
 - a) Solids
 - b) Liquids
 - c) Gases
 - d) Both (b) and (c)
- iii) Weather changes are caused by the
 - a) Moon
 - b) Sun
 - c) Earth
 - d) Sky
- iv) If the maximum temperature recorded for the day is 36°C and the maximum humidity is 92%, the weather is
 - a) Hot and dry
 - b) Cold and Dry
 - c) Hot and humid
 - d) Hot and windy
- v) The end product of aerobic respiration are
 - a) Carbon dioxide and water
 - b) Carbon dioxide and oxygen
 - c) Carbon dioxide and glucose
 - d) Carbon dioxide , water and energy
- vi) During inhalation, the ribcage moves
 - a) Upward and outward
 - b) Downward only
 - c) Inward and downward
 - d) Inward only
- vii) Which of the following is not an excretory waste of human beings
 - a) Carbon dioxide
 - b) Urea
 - c) Oxygen
 - d) Water
- viii) Transpiration is
 - a) The loss of excess of water from aerial parts of plant
 - b) The loss of water and oxygen from aerial parts of plants
 - c) The loss of excess water in the form of water vapour from aerial parts of plants
 - d) The loss of water and carbon dioxide from aerial parts of plants

- ix) The seeds are developed from
 - a) Ovum
 - b) Ovules
 - c) Ovary
 - d) Carpel
- x) S.I unit of speed
 - a) m/s
 - b) km/s
 - c) km/h
 - d) m/min
- xi) Which of the following Indian state is vulnerable to cyclone?
 - a) Jammu and Kashmir
 - b) Rajasthan
 - c) West Bengal
 - d) Madhya Pradesh
- xii) When water vapour condense, they
 - a) release heat
 - b) absorb heat
 - c) release light
 - d) absorb light

Q.2 Give one word/name/example (1x12=12)

- i) The liquid metal used in thermometers.
- ii) Instrument used to measure rainfall
- iii) The type of climate of Kerala
- iv) The moving air.
- v) The number of times a person breathes per minute.
- vi) A muscular sheet forming the floor of chest cavity
- vii) An instrument used to measure heart beat.
- viii) The vascular tissue for the transport of food to all parts of the plants
- ix) The process of fusion of male and female gamete.
- x) The agent used to disperse Xanthium seed.
- xi) The metallic ball of the simple pendulum.
- xii) The central calm area of cyclone.

Q.3 Give reason (2x6=12)

- i) Copper is a good conductor of heat.
- ii) Tropical rainforest has a large population of animals.
- iii) Holes are made in hangings and banners.
- iv) We often sneeze when we inhale a lot of dust laden air.
- v) Blood is needed by all parts of our body.
- vi) Seed dispersal is an important phenomenon.

Q.4 Answer the following

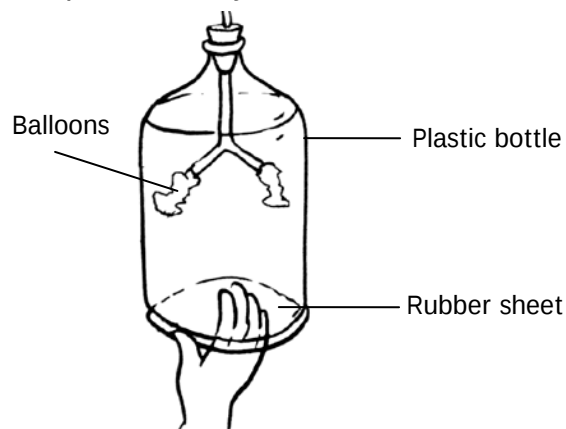
(2x6=12)

- i) What kind of clothes will keep us comfortable in summers? and why?
- ii) What is the climate of polar region?
- iii) What are the destruction caused by cyclones?
- iv) How is inhaled air different from exhaled air?
- v) How much urine is passed out by a normal adult human being? What is the composition of urine?
- vi) A car covers a distance of 450km in 8hours.Find its speed.

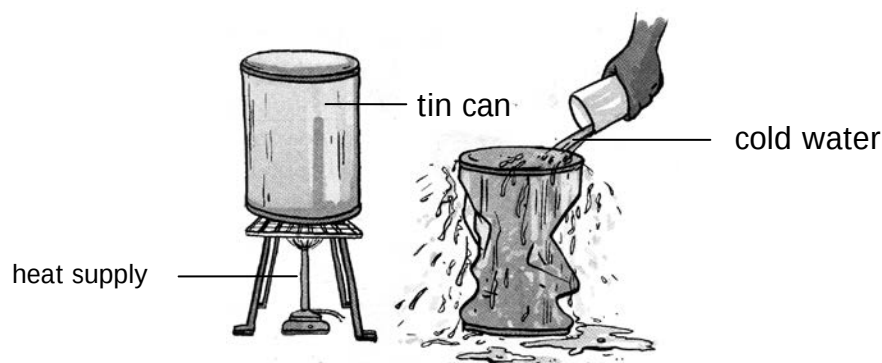
Q.5 Answer the following

(3x9=27)

- i) a) Name and define the mode of transfer of heat in which heat is transferred in the absence of a medium.
b) What is normal body temperature of human body.
- ii) Write three adaptive features of camel.
- iii) a) Give two examples of animals found in hot and humid climate.
b) Where is penguin found?
- iv) a) What does the rubber sheet represent in the diagram shown below?
b) What do the balloons represent in the given diagram? Give the function of the part represented by the balloons.



- v) a) Observe the activity shown below carefully and explain the reason for the change in the tin can, when cold water is poured on it.

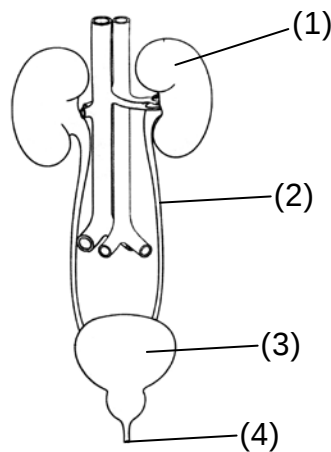


- b) What are cyclones called in American continent?

- vi)
 - a) Name the artery which carries deoxygenated blood.
 - b) Name the pigment which makes the blood red.
 - c) What is the liquid part of our blood known as?
- vii) Give one example of an organisms which reproduces by
 - a) Budding
 - b) Fragmentation
 - c) Roots
- viii)
 - a) Draw the shape of distance time graph for a vehicle moving with constant speed.
 - b) What is the basic unit of time.
- ix) Write three safety measure that are to be taken during a thunderstorms

Q.6 Answer the following (3x5=15)

- i)
 - a) Draw a labelled diagram to show reproduction in Yeast by budding
 - b) Differentiate between Stamen and Pistil of a flower.
- ii) Observe the given diagram and answer the following questions



- a) Label 1,2,3 and 4
 - b) What is function of part labeled (3)
 - c) What is the smallest filtering unit of kidney called?
 - d) Name the major excretory product of birds.
- iii)
 - a) What is the function of kink in the clinical thermometer?
 - b) Write any two effects that heat causes in a substance.
 - c) Why are digital thermometers preferred over mercury thermometers?