CBSE Sample Paper Class 7 Science SA2 Set 1

Time	Dura	ation: 3 hours	Maximum Marks : 90	
Q.1	Choo	se 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 re humidity is 92%, the weather is	corded for the day is 36°C and the maximum	
		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)	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 plants	ne form of water vapour from aerial parts of	
		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 in 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 r	reason (2x6=				
	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

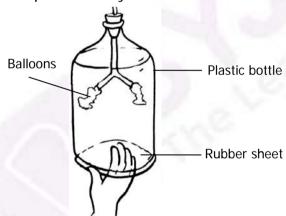
(2x6=12)

- 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.

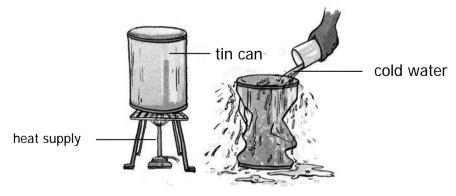
Q.5 Answer the following

(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.



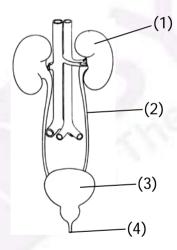
b) What are cyclones called in American continent?

- 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?