KENDRIYA VIDYALAYA NDA PUNE

PERIODIC TEST - I (2018-2019)

Subject - Science SET-1

Max Marks - 40

Class - 7 Max Time - 90 Min

MARKING SCHEME

S. No.	ANSWER OF THE QUESTIONS		MARKS
1.	Clinical thermometer.	1	
2.	Chemical change.	1	
3.	Symbiotic relation – two organisms livin having give and take relationship. Example – Lichen – combination of algae and fungi	1	
	shelter.		
4.	Villi – finger like projections from inner l	1	
	Function – increases surface area for proper absorption of nutrients.		1/2
	Location – small intestine.	½ 2	
5.	Life cycle of silk moth.	Life cycle of silk moth.	
6.	Column - I	Column – II	½ X 4 = 2
	See breeze	Day time	
	Land breeze	Night time	
	Light colour cloth	Summer	
	Dark colour cloth	Winter	
7.	Acids Bases		1+1
	1. Sour in taste.	1. Bitter in taste.	
	2. Non soupy to touch.	2. soupy to touch.	
8.	a. Because upper layer of sheep is dead	1+1+1	
	b. larva & pupa.		
	c. process of separating silk fibre from c		
9.	 Using clinical thermometer – Wash thermometer before and Give it a jerk to bring mercury le Put it in mouth below tongue. Take out of mouth after 1 minuth horizontally. 	1+1+1	
	,		
	 Precaution for using laboratory Keep the thermometer surreis to be measured. Not to hold it by mercury but Not to hit by any object. 	1+1+1	
10.	a. Antacid tablets are mild bases which causes neutralisation of acid in stomach. b. ant bite inserts formic acid which causes itching & irritation. By rubbing base		1+1+1

	like calamine, the effect of acid is neutralise c. acidic factory waste causes harm to aqua			
	waste is neutralised.			
11.	Physical change C	Chemical change	1+1+1	
	No new product is formed.	 New product formation. 		
	2. Smoke, light, heat are not	2. Smoke, light, heat are		
	produced.	produced.		
	3. Example – cutting of wood.	3. example – burning of wood.		
12.	a. Ruminants have an organ caecum which I	has specific bacteria for digestion of	2+3	
	cellulose. But humans do not have caecum and bacteria for cellulose digestion.			
	That's why humans can not digest cellulose.			
	b. well labelled human digestive system.			
13.	Photosynthesis – the process by which green plants synthesis their own food by		1+1+1+2	
	utilising carbon dioxide from atmosphere, water minerals from soil in presence of			
	chlorophyll and sunlight.			
	Reaction –			
	Carbon dioxide + water sunlight chlorophyll			
	Diagram			
	Factors essential –			
	1. Carbon dioxide.			
	2. Water and minerals.			
	3. Sunlight.			
	4. Chlorophyll.			
14.	Clinical thermometer has kink, which stops back flow of mercury when taken out		2	
	of mouth. But laboratory thermometer does	es not have kink so it has to read		
	within the object only.		_	
15.	Neutralisation – the reaction between acid and base to give salt and water is		2	
	called neutralisation.			
	Example –	N 11 11 11		
1.0	Hydrochloric acid + sodium hydroxide			
16.	Precaution while burning magnesium ribbon –		2	
	Rub it with sand paper to remove N Net to look directly on the light from			
	2. Not to look directly on the light from burning ribbon.			
	OR Physical change – tearing of paper			
	Physical change – tearing of paper. Chemical change – burning of paper.			
	Chemical change – burning of paper	1.		