

D.A.V. PUBLIC SCHOOLS, BHUBANESWAR
PERIODIC ASSESSMENT I (2020-21)
SUBJECT – SCIENCE
SET - B

CLASS-VII
TIME: 40 min

DATE:
MAX. MARKS – 20

GENERAL INSTRUCTIONS		
<ul style="list-style-type: none"> ➤ Attempt all Questions. ➤ Read the Questions carefully before answering. 		
Q1	In this deficiency disease, there is wasting of muscles and there is retarded growth. The name of the disease is _____.	1
Q2	The two processes which maintain the balance between CO ₂ and O ₂ in nature is maintained by _____ and _____.	1
Q3	X belongs to the group of organisms which help in cleaning the environment and maintains the recycling of nutrients in the environment. State the group of organisms that X belongs to.	1
Q4	This component of air is utilized by both the plants and animals to carry out a life process. Identify this component of air.	1
Q5	Life on earth is totally dependent on this form of energy. Identify this form of energy.	1
Q6	Along with calcium _____ is also needed for proper development of teeth and nerve cells	1
Q7	This component of food is synthesized by the skin and it stimulates the absorption of minerals like calcium and its deficiency will lead to the deficiency of calcium. Identify this component of food.	1
Q8	Two food samples A and B were taken. To both the food samples benedict solution was added and heated, it was found that sample A changes the colour into orange but sample B did not show any change so identify the food component in sample A.	1
Q9	Solubility of gas in water _____ with increase in temperature.	1
Q10	A _____ solution cannot dissolve more amount of a given substance at a given temperature.	1
Q11	It is not a nutrient but highly essential for all vital processes and forms a major part of our body weight. a) Identify this component. b) Suggest the mechanism by which this component helps our body to maintain a uniform temperature and also by which our body keeps cool in summers.	2

Q12	<p>On a bright sunny day Rahul was playing hide and seek with his little sister. He hid himself behind a glass door.</p> <p>a) Do you think his sister will be able to find him? If yes why, if not why not. Give proper explanation.</p> <p>b) State the property of the glass door which is displayed here.</p>	2
Q13	<p>Ramesh got some grapes and gooseberries from the market. He first cut them and then washed them due to which the fruits lost their nutritional value.</p> <p>a) State the particular food component protective in nature that these fruits were rich in but which got lost due to washing of them.</p> <p>b) State the deficiency disease caused due to lack of that component with any one symptom.</p>	2
Q14	<p>While passing the street, Sita saw the safai karamchari separating the waste and putting them into two dustbins A and dustbin B. Waste materials like metal and plastic etc. were put into dustbin A and vegetable peels etc. were put into dustbin B.</p> <p>a) State the color of dustbin A and dustbin B.</p> <p>b) Suggest a better method of disposing the waste materials of dustbin B which will produce a useful product.</p>	2
Q15	<p>Z is a useful material in our daily life in one form or the other. But from this material Z to be made we need to cut down trees. Z is biodegradable and can be recycled to make other products.</p> <p>a) Identify this material Z.</p> <p>b) Name any two materials made from material Z which we use in our daily life.</p>	2