

# D.A.V. PUBLIC SCHOOLS, BHUBANESWAR

## PERIODIC ASSESSMENT I (2021-22)

### SUBJECT – SCIENCE AND TECHNOLOGY

CLASS-VI

DATE: 26/07/2021

TIME: ONE HOUR

MAX. MARKS – 40

#### GENERAL INSTRUCTIONS


Attempt all Questions.

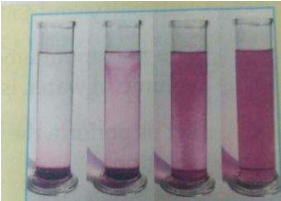

Read the Questions carefully before answering.

This question paper contains 40 questions .All the questions are in MCQ pattern

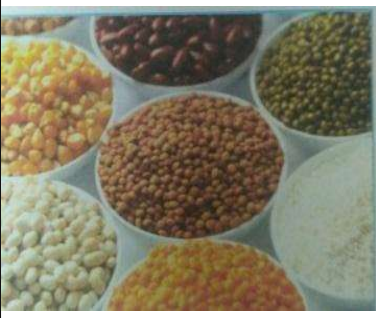
#### ANSWER THE FOLLOWING QUESTIONS

Q1.	X is a state of matter which have no definite shape and no volume but Y is a state of matter which have definite volume but no shape. Identify X AND Y a. solid , gas b. liquid, solid c. gas, liquid d. none of the above	1
Q2.	The process of reusing of minerals by the plants due to its availability in the soil due to decomposition of dead plants and animals is called as a. Mineral cycle b. Recycling of minerals c. Composting d. photosynthesis	1
Q3.	Z is a gas which is used by the plant to prepare food and it is also responsible for global warming. Identify Z from the following. a. Oxygen b. Carbon dioxide c. Nitrogen d. Argon	1
Q4.	Two test tubes A and B were taken with equal amounts of water in it. In test tube A some drops of X was added and in test tube B, some drops of Y were added and shaken well. It was observed that after adding X in test tube A, it got completely dissolved in it but after adding Y in test tube B, It wouldn't dissolve. Identify X and Y from the given options. a. Mustard oil, milk b. Lemon juice, milk	1

	<ul style="list-style-type: none"> <li>c. Lemon juice, mustard oil</li> <li>d. Mustard Oil, lemon juice</li> </ul>	
Q5.	<p>The presence of main carbohydrate found in wheat and maize can be known by the reagent</p> <ul style="list-style-type: none"> <li>a. Potassium permanganate</li> <li>b. Iodine solution</li> <li>c. Benedict solution</li> <li>d. Hydrochloric acid</li> </ul>	1
Q6.	<p>Choose the incorrect statement from the following</p> <ul style="list-style-type: none"> <li>a. natural light is used by the plants to prepare food</li> <li>b. Sun is the ultimate source of light</li> <li>c. Ipomoea does not shows any response to light</li> <li>d. Life on earth is dependent on sunlight.</li> </ul>	1
Q7.	<p>whole grains, Green vegetables, fruits contains a large amount of particular component which helps in bowel movement Identify it from the following</p> <ul style="list-style-type: none"> <li>a. Starch</li> <li>b. Cellulose</li> <li>c. Sugar</li> <li>d. Glucose</li> </ul>	1
Q8.	<p>Few plants are able to survive in deep water as</p> <ul style="list-style-type: none"> <li>a. They do not need light</li> <li>b. Amount of light reaching decreases with increase in depth of water</li> <li>c. Amount of light reaching increases with increase in the depth of water</li> <li>d. Amount of light reaching increases with decrease in depth of water</li> </ul>	1x4
Q9.	<p>Choose the incorrect option</p> <ul style="list-style-type: none"> <li>a. Obesity is due to eating lots of fried items</li> <li>b. In obesity the individual eats more than what is needed by the body</li> <li>c. obesity will not lead to any health problems</li> <li>d. In obesity the extra calories get stored below the skin</li> </ul>	3
Q10.	 <p>The picture shows the arrangement of particles in matter. Identify from the following objects given below which one will have such arrangement of particles in it</p> <ul style="list-style-type: none"> <li>a. Glass</li> <li>b. Milk</li> <li>c. Smoke</li> <li>d. oil</li> </ul>	3

Q11.	<p>P is a consumer in the food chain which feeds on the primary consumers.in a food chain Identify P from the following:</p> <ol style="list-style-type: none"> <li>Cattle</li> <li>Tiger</li> <li>Bear</li> <li>Dear</li> </ol>	5
Q12.	<p>These animals keep the environment clean by consuming the dead bodies of animals. Choose the option which does not fit this description.</p> <ol style="list-style-type: none"> <li>Vulture</li> <li>Kite</li> <li>Cattle</li> <li>crows</li> </ol>	5
Q13.	<p>Choose the odd one out from the following</p> <ol style="list-style-type: none"> <li>helium</li> <li>nitrogen</li> <li>oxygen</li> <li>hydrogen</li> </ol>	3
Q14.	<p>The given picture shows a phenonmenon where mixing of paricles occurs on its own and this is observed in maximum rate in gases. Identify the incorrect statement from the following.</p>  <ol style="list-style-type: none"> <li>It is diffusion not due to free movement of particles</li> <li>It is diffusion due to free movement of particles</li> <li>Liquids diffuse slowly as the particles are held by strong force of attraction</li> <li>Solids diffuse slowly as the have least force of attraction between their particles</li> </ol>	5
Q15.	 <p>The given picture shows a deficiency disorder. Choose the option which does not describes the disease in the given picture:</p> <ol style="list-style-type: none"> <li>It occurs when the child gets enough food to eat.</li> <li>the child becomes weak and thin</li> <li>it is due to the deficiency of carbohydrate, protein and fats</li> <li>it causes wasting of muscles</li> </ol>	3
Q16.	<p>State the part of the mustard plant from which we get oil</p> <ol style="list-style-type: none"> <li>Flower</li> <li>Seed</li> </ol>	3

	<ul style="list-style-type: none"> <li>c. Leaf</li> <li>d. Root</li> </ul>	
Q17.	<p>Garbage which is can be converted into vermicompost by the red worm is</p> <ul style="list-style-type: none"> <li>a. Salt, pickle, oil, meat</li> <li>b. Plastic, glass and metal object</li> <li>c. Dry leaves , cardboard, kitchen waste</li> <li>d. None of the above</li> </ul>	
Q18.	<p>X is a material which is a part of our daily life in one form or another. But this material is a threat to the environment as it doesn't get decomposed and thus accumulates in our environment and is a major threat to our environment and government has put a ban on this material. identify this material X</p> <ul style="list-style-type: none"> <li>a. Paper</li> <li>b. Polythene</li> <li>c. Wood</li> <li>d. glass</li> </ul>	
Q19.	<p>Choose the correct option from the following</p> <ul style="list-style-type: none"> <li>a. Rain water harvesting does not increases greenery</li> <li>b. Rain water that falls on untreated ground has no role in recharging ground water</li> <li>c. Roof top rainwater harvesting is the beat option for water conservation in metro cities</li> <li>d. Rain water collected does not need purification before using for household purposes</li> </ul>	
Q20.	<p>It is a mineral which is essential for our nerves , bones and our teeth and it also helps in digestion of carbohydrates and fats. State the mineral:</p> <ul style="list-style-type: none"> <li>a. Phosphorous</li> <li>b. Calcium</li> <li>c. Iron</li> <li>d. Sulphur</li> </ul>	
Q21.	<p>Fats help in the Absorption of certain vitamins. Identify the vitamins from the following.</p> <ul style="list-style-type: none"> <li>a. Vitamin D</li> <li>b. Vitamin B</li> <li>c. Vitamin C</li> <li>d. Vitamin A &amp; D</li> </ul>	

Q22.		<p>The given picture shows a component of food whose presence in food items can be known by the reagent . choose the reagent from the following</p> <ol style="list-style-type: none"> <li>Benedict solution</li> <li>Concentrated nitric acid</li> <li>Starch solution</li> <li>Iodine solution</li> </ol>	
Q23.	<p>State which is not a function of water in our body:</p> <ol style="list-style-type: none"> <li>It is essential for all reactions taking place in cells of the body</li> <li>It releases energy</li> <li>It helps in transport of minerals to all parts of the body</li> <li>It keeps the body cool during summer</li> </ol>		
Q24.	<p>Identify from the following which will form a compost.</p> <ol style="list-style-type: none"> <li>Dried leaves</li> <li>Plastic cups</li> <li>Broken glass sheet</li> <li>Iron nail</li> </ol>		
Q25.	<p>Wheat, fermented food, yoghurt, yeast are a very good source of this vitamin which is needed to keep our muscles strong to for getting energy to do work. due to this vitamin deficiency there will be a weak muscles. Identify this vitamin</p> <ol style="list-style-type: none"> <li>Vitamin A</li> <li>Vitamin B</li> <li>Vitamin C</li> <li>Vitamin D</li> </ol>		
Q26.	<p>Citrus fruits, Indian gooseberry orange etc. should be washed and then cut as it is rich in a particular nutrient called ----- which is water soluble.</p> <ol style="list-style-type: none"> <li>Vitamin A</li> <li>Vitamin B</li> <li>Vitamin C</li> <li>Vitamin D</li> </ol>		
Q27.	<p>X is a factor of physical environment which is needed for the plants as it provides water and minerals to the plants . So X is -----.</p> <ol style="list-style-type: none"> <li>Soil</li> <li>Air</li> <li>temperature</li> <li>light</li> </ol>		

Q28.	<p>Gold is lustrous while a rock is dull ,this categorisation of material is done on the property of -----</p> <ol style="list-style-type: none"> <li>Diffusion</li> <li>dissolution</li> <li>appearance</li> <li>solubility</li> </ol>	
Q29.	<p>Clean air is essential for our health as it provides ----- which is an important component that is necessary to sustain life</p> <ol style="list-style-type: none"> <li>Carbon dioxide</li> <li>Nitrogen</li> <li>Oxygen</li> <li>hydrogen</li> </ol>	
Q30.	<p>Carbon dioxide + Water in presence of sunlight and chlorophyll give ----- and oxygen</p> <ol style="list-style-type: none"> <li>Fat</li> <li>Vitamin</li> <li>Glucose</li> <li>mineral</li> </ol>	
Q31.	<p>These nutrients are needed for healthy eyes and skin and mostly found in cod liver oil, yellow vegetables and fruits and it is fat soluble. It is identified as ----- and its deficiency will lead to -----.</p> <ol style="list-style-type: none"> <li>Vitamin A and night blindness</li> <li>vitamin D , pigeon chest</li> <li>Vitamin K, clotting of blood</li> <li>None of the above</li> </ol>	
Q32.	<p>The solubility of gas -----with -----in temperature.</p> <ol style="list-style-type: none"> <li>Increase, decrease</li> <li>Decrease , increase</li> <li>Increase , increase</li> <li>Decrease, decrease</li> </ol>	
Q33.	<div data-bbox="261 1625 656 1856" data-label="Image"> </div> <p>The given picture shows one of the property of matter related to ability to allow light to pass through it. It is -----</p> <ol style="list-style-type: none"> <li>transparency</li> <li>translucency</li> <li>opacity</li> <li>all of the above</li> </ol>	

Q34.	<p>This mineral is found in green leafy vegetables and jaggery . It is needed for the formation of a component in the blood which gives blood the red colour . the mineral is ----- and the component of blood is ----</p> <ol style="list-style-type: none"> <li>calcium, haemoglobin</li> <li>iron, globin</li> <li>iron , haemoglobin</li> <li>phosphorus, haemoglobin</li> </ol>	
Q35.	<p>The grouping of materials having similar properties is called-----</p> <ol style="list-style-type: none"> <li>Compilation</li> <li>Classification</li> <li>Collaboration</li> <li>Combination</li> </ol>	
Q36.	<p>Assertion : Cows can tolerate the hot weathers than buffaloes . Reasoning : Buffaloes are black in colour and donot have efficient sweat gland</p> <ol style="list-style-type: none"> <li>assertion is correct but reasoning is wrong</li> <li>assertion is wrong but reasoning is correct</li> <li>both are correct</li> <li>both are wrong</li> </ol>	
Q37.	<p>Assertion: Goitre is a deficiency disorder which is very common in the mountainous region due to the inadequate availability of iodine. Reasoning: As the soil and water in the mountainous region lack adequate amount of iodine.</p> <ol style="list-style-type: none"> <li>Assertion is correct , reasoning is wrong</li> <li>Assertion is wrong , reasoning is correct</li> <li>Both assertion and reasoning are correct and reasoning is the correct explanation</li> <li>Both assertion and reasoning are wrong</li> </ol>	
Q38.	<p>Seema while going to her aunt's house on the way observed some small children playing in the sand near a construction site. She found the children having certain abnormalities like their hair was discoloured, their feet and abdominal region is swollen. Seeing these seema recalled what her science teacher has taught, that such type of abnormalities are due to deficiency of a particular food component as their diet lacks an essential item. What could it be?</p> <ol style="list-style-type: none"> <li>Carbohydrate , chapatti</li> <li>Protein, egg</li> <li>Protein , milk</li> </ol>	
Q39.	<p>Rakesh observed that in his garden lot of litter has accumulated like dry leaves, broken plastics, cardboards, twigs, waste papers etc. Seeing these Rakesh suggested some good options to his gardener which will keep the</p>	

	<p>garden clean and also help the environment. find out the option which is incorrect,</p> <ol style="list-style-type: none"><li>separate the biodegradable and non-biodegradable waste and disposing them by making a compost for the biodegradable substances and recycling the non-biodegradable waste to the maximum limit</li><li>putting all the waste without separating them in a pit dug in the garden</li><li>Only putting the biodegradable wastes in the pit but letting the non-biodegradable waste lying in the garden as such.</li></ol>	
Q40.	<p>Sita in her village observed that some children had deformation in their body parts like they had bow-legs, knock-knees. Sita asked her teacher about the reason that could have caused such deformations in the children. Identify the statement that her teacher would have told her as the explanation for such condition in children</p> <ol style="list-style-type: none"><li>It is a disorder due to inadequate intake of vitamin D</li><li>It is due to healthy life style and good nutrition</li><li>Due to the excessive of milk intake in diet .</li></ol>	

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