## CITY SCHOOL OF EDUCATIONAL INSTITUTE, PANDHURNA OPEN BOOK EXAMINATION 2020-21

Class-9th

## **Subject-Science**

Time – 3 hour			Max. Mark–10	0
Q1 Choose the correct answer				10 Marks
1) Convert the following temperatur a) 293K	re to the (	Celsius scale b)470K		
2) what is the physical state of wate a) 25c	r at b)0c		c)100c	
3) Identify the solution among the fo	llouring	nivturo		
a) soil	•			
-	b)sea v d)soda			
c) air	ujsoua	Water		
4) which of the following will show				
A) salt solution		per sulphate so	olution	
c) milk	d)starc	ch solution		
5) which of the following is the corr	ect electro	onic configurat	tion sodium	
a) 2,8	b) 8,2,1			
c) 2,1,8	d) 2,8,2	1		
6) Isotopes of an element have				
a) The same physical properties		b) Different c	hemical properties	
c) Different number of neutrons			tomic numbers.	
-,				
7) Number of valence electrons in C				
a) 16	b) 8			
c) 17	d) 18			
8)Rutherford's alpha-particle scatte	ring expe	riment was re	sponsible for the discovery of.	
a) Atomic Nucleus	b) Elec	tron		
c) Proton	d) Neu	tron		
9) Convert the following temperature	re to the F	Kelvin scale.		
a) 25°C	b) 373			
c) 2,1,8	d) 2,8,1			
Convert into mole.	- ) /-/			
a) 12 g of oxygen gas	b) 20 g	of water	c) 22 g of $CO_2$	
Q.2 Fill In the Blanks:				05 Marks
a) Matter is made up of small				UJ Mai KS
b) Evaporation causes	•			
c) As the temperature of a gas decre	ases. I's v	olume		
d) Common salt is				
e) Miscible liquids are separated by				

<ul> <li>Q. 3 True / False.</li> <li>a) Water is homogenous substance.</li> <li>b) Iodine can be purified by sublimation.</li> <li>c) Crystals can be made of mixtures.</li> <li>d) Boiling is the bulk phenomenon.</li> <li>e) Water at room temperature is a liquid.</li> </ul>		05 Marks
2Temperature-3Density-4Mass-	Cubic metre Kilogram Pascal Kelvin Kilogram per cubic metre	05 Marks
<ul> <li>Q. 5 Very Short Answer.</li> <li>a) What are the characteristics of the particles of</li> <li>b) Why does a desert cooler- cool better on a hot</li> <li>c) What is the boiling point of acetone?</li> <li>d) What do you observe in the china dish?</li> <li>e) Which group has obtained a material with mag</li> </ul>	5 x 2 Marks	
<ul> <li>Q. 6 Short answer type questions.</li> <li>a) Write the characteristics of particles of a matter?</li> <li>b) Suggest a methods to liquefy atmosphere gases ?</li> <li>c) What type of clothes should we wear in summer?</li> <li>d) What is mint by substance ?</li> <li>e) Why do the two components separates?</li> </ul>	5 x 3 Marks	
<ul> <li>Q 7 Long answer type questions. (any Five)</li> <li>a) How are sol, solution and suspension different</li> <li>b) Which gas from the liquid first as the air is cood</li> <li>c) How will you separate the crystals from the liquid</li> <li>d) What type of mixture are separated by the teod</li> <li>e) Explain the law of conservation of mass ?</li> <li>f) Explain the atomic mass?</li> <li>g) Explain the rather ford's model of an atom?</li> </ul>	5 x 5 Marks	
<b>Q.8 Explain the compound microscope with diagra</b> Or	05 Marks	

Explain the nucleus with diagram ?