

PANCHSHEEL PUBLIC SCHOOL

10+2 Senior Secondary School (Affiliated & Recognized by CBSE) Jaitpur, Badarpur, New Delhi-44

Sample Annual Examination-2022-23

Time.	Subject. Science	Class	. VII WIAINS. 50		
<u>Name</u>	Roll No	Section	Date:		
Q1. Choose the correct option	on.			(1x5=5)	
1. Which of the following a	re the tiny filtering units of the	he kidney?			
(a) ureter	(b) urethra	(c) nephrons	(d) bladder		
2. During process is energy	released?				
(a) external respiration	(b) internal respiration	(c) inhalation	(d) exhalation		
3. A spherical mirror with its reflecting surface on the outside is a					
(a) plane mirror mirror	(b) concave mirror	(c) convex mirror	(d) either concave or	convex	
4. Which these is absolutely	necessary in an electric circ	ruit ?			
(a) bulb	(b) switch	(c) voltmeter	(d) connecting wires		
5 In which method of trans	fer of heat do the molecules	travel from the hot to the	e cold portion ?		
(a) conduction	(b) convection	(c) radiation	(d) all of the above		
Q2 Fill in the blanks.				(1x 4=4)	
1. Digestion begins in the _					
2. Milk contains	_ acids.				
3. During cellular respiratio	n, the sugar molecules in foo	od are to	form carbon dioxide ar	nd water.	
4. We use symbols to draw	a circuit				
Q3.State True or False.				(1x4=4)	
1 Prism is the square piece.	of glass splits white light int	o different colours			
 Prism is the square piece of glass splits white light into different colours. The core of an electromagnet can be made up of any metal. 					
	strong acid, it becomes dilu				
4. Gases are insulators of he					
Q4.Define the following te	erms. (Do any 3)			(1x3=3)	
1. Egestion	2. Hemoglobin	3. Focal leng	th 4. Fus	se	
Q5. Differentiate between the following. (Do any 2)				(2x3=6)	
1. Xylem and Phloem					
2. Conduction and Convects	ion				
3. Convex mirror and Conce					
o. Convex mirror and Conc.	wito minitor				

Q6. Give reason for the following.	(1x3=3)
1. What happens when dilute culphyric said is added to gine?	
1. What happens when dilute sulphuric acid is added to zinc?2. Why should we not overwater potted plants?	
3. Why do woolen clothes keep us warmer in winters than cotton clothes?	
3. Why do woolen clothes keep as warmer in whiters than cotton clothes.	
Q7. Very short answer questions.	(1x3=3)
1. What is a miniature circuit break?	
2. What is translocation?	
3. What is the function of the polished curved surface at the back of the heating rod in a room heater?	
Q8. Short answer questions. (Do any 3)	(2x3=6)
1. What is the function of:- (a) Saliva (b) Bile juice	
2. Give two main uses of Sodium hydroxide.	
3. Explain the set-up used by Newton to obtain a spectrum.	
4. Give two uses of electromagnets	
Q9. Long answer questions. (Do any 3)	(3×3=9)
1. Explain the working of simple electric bell.	
2. Write any three characteristics of the image formed by a plane mirror?	
3. Explain how heat is conducted from heated end of a rod to its cold end.	
4. How do the nostrils contributes to the process of breathing?	
The was the most his contained to the process of oronaming.	
Q10. HOTS questions.	(2x2=4)
1. Which side of the heart has oxygen-rich blood and which side has carbon-dioxide-rich blood?	
2. How do the feathers of a bird protect it from the cold?	
Q11. Draw the well-labelled diagram of the human urinary system and mark its various organs.	$(1\times3=3)$