LIONS SCHOOL MIRZAPUR

UT- II, 2020-21

SUBJECT- SCIENCE M.M.-20 CLASS- IX TIME: -50MIN. **IMPORTANT INSTRUCTIONS: -**1. All questions are compulsory 2. Marks of each question given next to it SECTION - A (PHYSICS) Q1. Define gravitational potential energy OR Define Electric power, write its unit 1 Q 2. Find the energy possessed by an object of mass 10 kg when it is at a height of 6 m above the ground. Given $g=9.8 \text{ m/s}^2$ 2 Q 3. State law of conservation of energy and prove that sum of potential & kinetic energy remain constant at each point of free falling body 3 OR An electric bulb of 60w is used 6 hrs. per day. Calculate the units of energy consumed in one day by the bulb SECTION - B (CHEMISTRY) The chemical symbol for sodium is: Q.1 1/2 (a) S (b) So (c) Na (d) N Q.2 What is atomicity? 1/2 Q.3 Calculate the molar mass of the following substances: 1 (a)Sodium Chloride (b) carbon di oxide 0.4 What is the mass of: 1 (a) 0.2 mole of oxygen atoms (b) 0.5 mole of water molecules 0.5 Which postulate of Dalton's atomic theory is a result of the law of conservation of Mass? 1 What is the law of conservation of mass? 2 Q. 6 Or Q.7 What is the law of constant proportions?

SECTION - C (BIOLOGY)

(a) Dengue (b) AIDS (c) Typhoid (d) Influenza	1
2-Which one of the following diseases is caused by protozoans? (a) Malaria (b) Influenza (c) AIDS (d) Cholera	1
Fill the blanks-	=2
${\bf Q}$ 3- Living organisms carrying the infecting agents from one person to another are called $\underline{}$.	;
Q 4 disease continues for a few days and causes short term effect the body.	on
SA-	
Q 5- What are the different means by which infectious diseases are spread?	1
Q 6- Write the difference between vaccination and immunisation.	L
Q 7-Write about cause, symptom and prevention of the following diseases – 2) -
a- Malaria b- TB c- Rabies d- Peptic Ulcer	