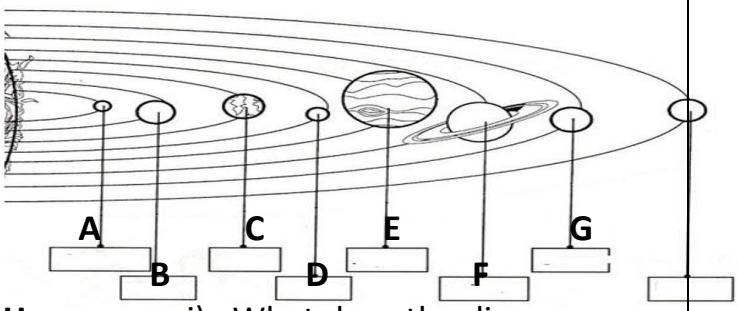
BASIC 9

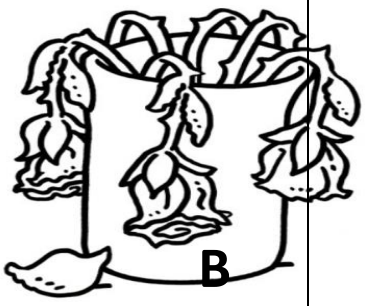
WEEKLY LESSON PLAN – WEEK 1

DISCUSSION OF LAST TERM EXAMINATION QUESTIONS (REVISION)					
Week Ending	12-01-2024				
Class	B.S.9	**Class Size:**		**Duration:**	
Subject	Science				
Reference	Examination Questions, Marking Scheme, Learners Note books, Marked Scripts.				
DAYS	**PHASE 1 : STARTER**	**PHASE 2: MAIN**		**PHASE 3: REFLECTION**	
THURSDAY	Ask Learners to take their copies of the Previous term examination questions and the marked answer sheets for discussion.	1. Select a model reader to read the essay type questions to the class. 2. Call Individual Learners at random to answer questions. 3. Discuss questions with the Learners. **Samples of Essay Type Questions;** 1. **(a)** The diagram bellow is an array of celestial bodies that orbit the Sun. Use it to answer the questions that follow.  **H** i). What does the digram represent? ii). Name the bodies labelled **A**,**B**,**C**,**D**,**E**,**F**,**G**,**H** iii). The part labelled **C** is said to be habitable, explain this statement with two reasons. iv). What is the name given to the rocky objects located between **D** and **E** ? v). What is the collective name given to the first four and the last four celestial bodies? **(b).** A student picked five different compounds; **V**,**W**,**X**,**Y** and **Z** of pH **0.1**, **3.4**, **7.0**, **8.1** and **13.3** respectively. i). Which of the compound(s) can turn red	Give Learners exercise on samples of the examination questions to answer in their exercise books.

litmus paper blue?
ii). Which of the compound(s) can turn blue litmus paper red?
iii). Identify the compounds that will cause no change on red litmus paper?
iv). Write the chemical formular of one compound that could be grouped under
α. Y
β. X
γ. W
v). How would you test for the presence of the content of the compound stated in **(b) i)** above? vi). How would you test for the presence of the content of the compound stated in **(b) ii)** above?

(c). Helen took a mixture of Beans, Palm oil and Gari during her lunch. Describe briefly what happens to the meal in the;
i). Mouth ii). Gullet iii). Stomach iv). Duodenum v). Ileum vi). Colon
vii). Describe how you would test for the presence of the food nutrient in the Gari.

(d). The diagrams(**A** and **B**) bellow show two potted flowers. Study them carefully and answer the questions that follow.



i). What observation can you make about flower **A** and **B**?

ii.) What two factors could contribute to the

		nature of the flower in pot **A**? iii). What two factors could contribute to the nature of the flower in pot **B**? iv). Which two things can be done to flower **B** for it to assume the nature of flower **A**? v). Name two negative effects that the nature of flower **B** can have on crop production *Answer four(4) questions from this section* 2. (a)i. Calculate the potential energy of a mango of mass *3kg* hanging on its stalk *15m* above the ground. [Take g=10m/s^2] ii. State two factors that affect the potential energy of a body. (b)i. What are Binary compounds? ii. Write the chemical formula of the Binary compounds formed from the reaction between elements of atomic number; α. 1 and 17 β. 11 and 17 γ. 13 and 8 (c)i. Explain how molting occurs in a grasshopper ii. How different is a *nymph grasshopper* from an *adult grasshopper*? (d) State two advantages of organic farming 3. (a)i. Explain the term *lever* as used in machine ii. Calculate the *mechanical advantage* when a force of 300N lifts a 150N load. (b)i. What is a *salt*? ii. Give two examples of a *Binary salt*. iii. State two *properties* of salt. (c)i. What is *deficiency disease*? ii. Name the *deficiency diseases* caused as a	

		result of the absence of the following nutrients; α. Vitamin A β. Iodine γ. Protein (d). What is the *use* of a handfork as a farm tool? 4. (a)i. What is *electricity generation*? ii. State two *harmful effects* of electricity generation on the enironment (b) An atom has *atomic number* 12 and *mass* number 25; Find the i. *number of protons* ii. *neutron number* iii. *number of electrons* (c) Describe briefly how the following can be *reused* in waste management i. palm kernel shell ii. maize husk iii. coconut coir (d) Name three *commercial uses* of farm animals 5. (a)i. What is *refraction of light*? ii. Give two *application* of refraction in everyday life (b)i. What is *chemical bonding*? ii. Name the type of *inter-atomic bond* that exist in the following α. *Nitrogen gas* β. *Calcium chloride* γ. *Ammonia* (c)i. Explain how landfill as a waste management practice, prevents soil erosion (d) State two ways in which a farmer can *prolong* the lifespan of a cutlass	

FRIDAY	A model reader to read multiple choice questions to the class.	1. Call Individual Learners at random to choose correct answers among options. 2. Learners brainstorm to give reasons or explanations to their answers. 3. Discuss with Learners answers to challenging multiple choice. **Samples of Objective Test Questions;** 1. Which of the following plants has a fibrous root? A. mango B. cassava C. orange D. plantain 2. Which of the following supports burning? A. air B. carbon dioxide C. water D. oxygen 3. Which of the following is not a major material needed for the survival of plants? A. water B. quantity of branches C. sunlight D. oxygen 4. …… is not a conductor? A. nail B. glass C. metal spoon D. copper wire 5. Electrical wires in the classroom/homes are coated with plastics because, plastics are A. good insulators B. good conductors C. bad insulators D. bad coats	Give Learners exercise on samples of the A-D multiple choice questions to answer in their exercise books.

Name of Teacher: **School:** **District:**