



Date: 03/10/24
GRADE: VII

TERM-1 (2024)
SCIENCE

Max marks: 40
Time: 2 Hours

General Instructions:

1. There are **25** questions in the question paper. All questions are compulsory.

Qn No	Choose the Correct Answer	Marks allocated
1.	Find out the atomicity of NH_3 . (A) 3 (B) 2 (C) 4 (D) 5	1
2	Ca is the chemical symbol for which element? A) Californium B) Carbon C) Mercury D) Calcium	1
3	What causes the browning of fruits and vegetables when left exposed to the air? a. The action of sunlight b. Contact with water c. Reaction with atmospheric oxygen d. Absorption of carbon dioxide	1
4	What are new substance formed from chemical reaction called A) Molecules	1

	<p>B) Atoms</p> <p>C) Products</p> <p>D) Reactant</p>	
5.	<p>Galvanization is a process used to prevent the rusting of which of the following?</p> <p>A) Iron</p> <p>B) Zinc</p> <p>C) Aluminium</p> <p>D) Copper</p>	1
6.	<p>What type of plant is Cuscuta?</p> <p>A) Parasitic</p> <p>B) Autotrophic</p> <p>C) Insectivorous</p> <p>D) Saprotrophic</p>	1
7	<p>What are the finger-like projections in the small intestine called?</p> <p>A) Canines</p> <p>B) Villi</p> <p>C) Pseudopodia</p> <p>D) Cilia</p>	1
8	<p>What type of animals are known as ruminants?</p> <p>A) Those that chew cud</p> <p>B) Those that eat meat only</p> <p>C) Those that eat plants only</p> <p>D) Those that swallow food whole</p>	1
9	<p>Who is considered as the father of Indian Green Revolution?</p> <p>A. M.S. Swaminathan</p> <p>B. Verghese Kurian</p> <p>C. Norman Borlaug</p>	1

	D. Amrita Patel		
10	There are about 118 different (a) elements (b) molecules (c) compounds (d) mixtures	1	
	Fill in the blanks:		
11	Left-over food in teeth and gum is called _____.	1	
12.	_____ is the largest parasitic flower.	1	
13.	_____ + oxygen + water → _____ oxide (rust)	1	
14.	The number of atoms present in sulphuric acid H ₂ SO ₄ is _____.	1	
15.	Solid copper sulphate can be formed through _____.	1	
	State True or False if false correct the statement:		
16.	Rust can form in the absence of oxygen.	1	
17.	The process of digestion begins in the stomach.	1	
18.	The Sundew plant and Venus fly trap are examples of parasitic plant.	1	
	Match the following:	2	
19.	Column A	Column B	Column B
	i) Indian Pipe	a) Peristaltic movement	Scurvy
	ii) Boiling of water	b) Saprophytes	
	iii) Aluminium	c) Physical change	Iodine
iv) Oesophagus	d) AI	Plant Product	
	Very Short Answer Questions:		
20.	Explain the reaction between copper sulphate and iron?	2	
21.	Classify the following as physical and chemical changes: a) Rusting of Iron – b) Cutting of fruits- c) Melting of wax-	2	

	d) Photosynthesis -	
	Short Answer Questions:	
22.	Write the name of first 20 elements with symbols according to their atomic number.	3
23.	Describe the role of small intestine in process of digestion.	3
	Long Answer questions:	
24.	i) Derive the chemical formula of the following compounds: a) Potassium nitrate b) Aluminium phosphate c) Calcium carbonate ii) What is the atomicity of following molecules: a) H_2CO_3 b) $C_6H_{12}O_6$	 3 1 1
25.	a) Name two parasitic plant. How do these plants get their nutrition from host plant? b) Differentiate between insectivorous plants and symbiotic plants.	 3 2

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