



Dr. A.Q. Khan School & College, Bahria Town Phase-8, Islamabad
MODEL PAPER GENERAL SCIENCE CLASS: VII

Time Allowed: 20 Minutes

Name: _____

Section: _____

Date: _____

Invigilator's Signature: _____

Section-A (10 Marks)

Q.No1: Fill the relevant bubble against each question according to curriculum.

(10)

No	Question	A	B	C	D	A	B	C	D
i.	Which of the given organelle is NOT related to Respiration?	Cell Membrane	Chloroplast	Mitochondria	Ribosome	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ii.	Leaves possess a transparent epidermis. This is an adaption to:	Absorb Carbon dioxide	Absorb sunlight	For gaseous exchange	Absorb Oxygen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iii.	A patient is diagnosed with reduced number of platelets. He might be suffering from:	Anaemia	Dengue Fever	AIDS	Kidney failure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iv.	All the arteries of the body carry oxygenated blood EXCEPT:	Carotid artery	Aorta artery	Radial artery	Pulmonary artery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
v.	Blood vessels with valves are:	Capillaries	Veins	Arteries	All of these	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
vi.	T and B cells of immune system are responsible for:	Innate Immunity	Adaptive immunity	Inborn Immunity	Active Immunity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
vii.	Which one is NOT a chemical change?	Burning of wood	Digestion of food	Rusting of iron	Cutting of trees.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
viii.	Which change can be easily reversed?	Chemical change	Physical change	Both A & B	None of these	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ix.	Number of valence electrons in group II elements are:	1	2	3	4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
x.	Total number of electrons that can be accommodated in L-shell are:	2	8	18	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



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Time Allowed: 2:10Hrs.

Total Marks: 50

Section-B (30 Marks)

Q.2 Answer the following questions briefly.

(10x3=30)

i.	What is Transpiration pull? Suggest three factors which can affect the transpiration rate.	1.5+1.5	OR	Name two types of stems in plants. How vascular bundles are arranged in stem?	1.5+1.5
ii.	Draw diagrams to elaborate the difference between artery and vein.	1.5+1.5	OR	Draw a diagram to elaborate the process of gaseous exchange in alveoli.	03
iii.	How do memory cells of immune system work?	03	OR	How do first and second lines of defence protect us from getting ill?	1.5+1.5
iv.	Suggest adaptations which make leaves the best sites for photosynthesis.	03	OR	How do red blood cells look like? Write function of red blood cells. Name the deficiency disease caused by reduced numbers of red blood cells.	1+1+1
v.	Write down the importance of passive immunity.	03	OR	Give three differences between breathing and respiration	03
vi.	Define the term flammability. Write down names of two flammable chemicals.	2+0.5+0.5	OR	What is rusting? Write any two suggestions to prevent rusting.	2+1
vii.	Differentiate between melting and boiling point.	03	OR	Differentiate between physical and chemical properties.	03
viii.	An atom has an atomic number of 17 and mass number of 35.5. Determine the number of protons, electrons and neutrons in it.	03	OR	An atom has 6 protons, 6 electrons and 6 neutrons. Draw its atomic structure.	03
ix.	Differentiate between periods & groups of the periodic table.	03	OR	Write down the comparison between atomic number and mass number.	03
x.	What is chemical formula? Give two examples.	2+1	OR	Define the term "Valency" with example.	2+1

Section-C (20 Marks)

Note: Answer the following questions in detail.

(4×5=20)

Q.3	a) Compare aerobic and anaerobic respiration. b) Elaborate your answer with diagram and equations.	2.5+ 2.5	OR	a) What is significance of circulatory system in human body?	05
Q.4	Suggest five ways to boost your immunity.	05	OR	a) Pen down causes, symptoms, and prevention of Typhoid.	1+2+2
Q.5	a) Why plants have roots? b) Differentiate between two types of root systems in plants.	2+3	OR	a) What is transportation in plants? b) Elaborate the role of xylem and phloem in the transportation of food in plants.	2+3
Q.6	What is an atom? Describe with the help of an example that atom is electrically neutral.	2+3	OR	Discuss formation of chemical band with the help of an example	05