



Q1) Choose the correct alternative and rewrite the sentence :

(3)

(1) Boiling point of mercury is

a) 100 Celsius

c) 356.7 Celsius

b) 278.9 Celsius

d) 265.8 Celsius

(2) If level is around 100 decibels, the sound can be harmful to us.

a) light

c) sound

b) electricity

d) potential

(3) Respiration is a continuously occurring process.

a) biological

c) chemical

b) physical

d) all of these

Q2) Answer the following questions as per the given instructions :

(3)
(1)

(1) Fill in the blank and rewrite the completed statements

Turmeric is known as indicator.

(2) Match the following

(1)

Column "A"	Column "B"
1. Contraction	a. Clotting
2. Universal recipient	b. Systolic pressure
	c. AB

(3) State whether the statement is true or false

(1)

Vibrations can be felt but can never be seen.

Q3) Answer the following questions (any four) :

(8)
(2)

(1) Distinguish between

Distinguish between areal expansion and volumetric expansion

(2) Write short notes

(2)

Write short notes on Diaphragm

(3) Answer the following questions

(2)

State the properties of acid.

(4) Complete the flow chart / table

(2)

Complete the table:

Compound	Type of chemical bonds
Cl ₂
MgCl ₂
HCl
CaO

(5) Answer the following questions

(2)

If sound waves are generated in air, what moves away from the source? Is it the air itself or the state of compression and rarefaction created in the air?

Q4) Answer the following (any two) :

(6)

(1) (1) What is meant by specific heat of an object?

(2) What are its units?

(3) What is the relation between amount of heat requires to increase the temperature of an object and its specific heat.

(2) What is blood transfusion? From where the blood is supplied for blood transfusion?

(3) Explain the formation of Ionic bond.

All the Best