



# TEST PAPER: PHYSICS

Time: 45 Minutes

Class: 8<sup>th</sup> I.C.S.E.

Max. Marks: 30 Marks

Date: 27<sup>th</sup> June, 2018

**Marking Scheme:** Three questions carry 10 marks each. Each question has 3 subparts each. Subparts A and B carry 3 marks each and subpart C carries 4 marks.

## Question 1:

### A. State whether the given statement is true or false:

- i) Intermolecular force of attraction is maximum in solids
- ii) Boiling takes place at all temperatures
- iii) Deposition is a process just reverse of melting
- iv) Boiling takes place only on the surface of the liquid
- v) Liquids have definite volume and shape
- vi) Substance changes from liquid state to vapour state by giving out heat

### B. Fill in the blanks:

- i) Process of change of solid into gas is called \_\_\_\_\_
- ii) Temperature of a substance \_\_\_\_\_ during its change of state
- iii) Melting point of ice is \_\_\_\_\_
- iv) Force of attraction between the molecules is called \_\_\_\_\_ force of attraction
- v) The temperature at which a solid converts into a liquid is called its \_\_\_\_\_
- vi) Intermolecular space is maximum in \_\_\_\_\_

### C. Answer the Following in brief:

- i) Differentiate between melting point and boiling point, giving atleast one example of each.
- ii) Describe process of sublimation and condensation with examples

## Question 2:

### A. Match the Following:

a)	Molecules	a)	Water boils
b)	100° C	b)	evaporation
c)	0° C	c)	changes from solid to gas
d)	At all temperatures	d)	faster evaporation
e)	Camphor	e)	water freezes
f)	Exposed surface	f)	Matter

### B. Answer the following:

- i) Give one difference between atoms and molecules.
- ii) Write factors on which rate of evaporation of a liquid depends.
- iii) State two properties of molecules of matter

**C. Distinguish between:**

- i) solids liquids and gases
- ii) evaporation and boiling

**Question 3:**

**A. Answer the following:**

- i) Describe heat exchange during melting and freezing.
- ii) Define:
  - a) Change of state
  - b) Evaporation
- iii) Correct following statement: On heating, the increase in temperature decreases the kinetic energy of the molecules.

**B. Draw a conclusion of the following experiment:**

Some ice is taken in a beaker and its temperature is recorded after each minute. Following is the observation. From the observation what conclusion can be drawn

Time (in minute)	Temperature (in degree C)
0	0
1	0
2	0
3	0
4	0
5	3.8
6	7.6
7	11.4

**C. Give reasons:**

- i) Size of naphthalene balls decreases when left open
- ii) Wet clothes dry quickly on a warm day than on a cold day