



CHENNAI PUBLIC SCHOOL

◆ Anna Nagar ◆ Chennai -600 101

SCIENCE

Class ▶	VIII	Section ▶		Date ▶	
Name ▶				Roll No. ▶	

PHYSICS

- Define the following terms
 - Latent heat of vaporization
 - Latent heat of fusion
- Why do soft drink bottles cool better in ice than in water?
- Why are the burns caused by steam more severe than those caused by boiling water ?
- When we go for vaccination, the Dr. rubs a little spirit on our skin and we immediately feel very cool at that spot. Why?
- Observe the given table

substance	Specific heat capacity(cal/g°C)
steel	0.11
aluminum	0.21

100 g of each substance is heated from 30°C to 40°C.

- Calculate the amount of heat required in each case
- Which metal requires the greatest amount of heat and which one the least?

CHEMISTRY

- Explain the formation of Oxide ion from oxygen atom. Show it as representation in word form as well as diagrammatic form
- Write any five common radioisotopes and their uses.

BIOLOGY

I. Define:

- a) Fertilisation
- b) Pollination
- c) Bisexual flower
- d) Germination
- e) Internal Fertilisation
- f) Hermaphrodites

II. Answer the following in a sentence or two :

- a) Why do we need sexual reproduction ?
- b) What are the aims of artificial fertilization?
- c) What are the conditions necessary for germination?
- d) What are the organs of male reproductive system ?
- e) List any two differences between sperm and egg .
- f) What is regeneration ?

III. Draw and label :

- a) A Sperm
- b) An Ovum
- c) Life cycle in Butterfly
- d) Binary fission in Amoeba
- e) Regeneration in a Flatworm
- f) Parts of a Flower
- g) Process of fertilization in a Flower