

# SCIENCE & TECHNOLOGY (PRACTICAL)

Time Allowed : 3 Hrs

M. Marks 25

## PART - I

Note : Attempt any three questions. Each question carries equal marks.

- Q.1. Find out the pH of the following by using pH paper/universal indicator.  
a) Dilute hydrochloric acid (HCl)  
b) Lemon Juice 7
- Q.2. Trace out the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Also measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. 7
- Q.3 Determine the equivalent resistance of two resistors when connected in parallel. 7
- Q.4. Prepare a temporary mount of a leaf peel to show stomata. 7
- Q.5. Observe the action of Zn, Fe and Cu metals on the following salt solutions.  
i)  $\text{ZnSO}_4$  (aq)  
ii)  $\text{FeSO}_4$  (aq)  
iii)  $\text{CuSO}_4$  (aq)  
Also arrange Zn, Fe and Cu in the decreasing order of reactivity based on the above result. 7

## PART - II

- Q.6. i) Viva 2  
ii) Practical Note Book 1  
iii) Model / Chart 1