

Scottish Church College

Kolkata 700 006

Department of Physics

ENTRANCE TEST (WRITTEN) - 2013

The Entrance Examination in Physics is only for the General Merit Candidates.

SC/ST/PH/Christian candidates need not appear for the Test.

1. Date & Time:

- **Batch A: 10.30 am – 11.30 am** **25th June 2013**
- **Batch B: 12.30 pm – 1.30 pm** **25th June 2013**
- Batch division and Room Allocation will be announced through the website after 19th June.

2. Admit Card:

- The candidate must carry the Bank Challan in original along with any photo-identity card.

3. Syllabus:

- Plus 2 level

4. Sample questions: *(Simple calculator may be permitted)*

- A combination of a converging and a diverging lens forms a real image of an object. How will the position of the image change when the positions of the two lenses are interchanged? Which of the lenses is of greater power? (1 + 1)
- Find the value of the resistor that is to be put in series with a 30V-90W lamp so that the lamp can work at its full when inserted in a 120V-line. (2)

Head, Dept. of Physics

18/06/2013