

### Biology

Que1: What are chasmogamous flowers? Can cross pollination occur in cleistogamous flowers? Give reasons.

Que2: What are the characters of insect pollinated flowers (entomophilous flowers)?

Que3: What are the characters of wind pollinated flowers (anemophilous flowers)? Give example.

Que4: What are the characters of water pollinated (hydrophilous) flowers? Give examples

### Physics

1. How does the force between two point charges in charge if the dielectric constant of the medium in which they are kept increases?

2. What are the properties of electrostatic line of force.

3. Define intensity of electric field at a point at what point in the electric dipole field intensity parallel to the line joining the charges?

4. Derive the derivation of electric field on the axis of charged ring at distance  $x$  from the centre  $O$ .

### English

Topic-Advertisement (obituary)

Format- details of any special ceremony being held, message from family or company, accomplishments, name of person paying obituary to the deceased person.

1. You are Dr Narayanan living at Mangesh Street, Chennai. Write an obituary to be inserted in a local newspaper for your father who died two days ago. Add details about the terahi ceremony to be held in his memory.

2. You are Ravish Mahajan of bilaspur colony, Delhi. Write an obituary to be inserted in a local paper for your elder brother who died recently. Add an affectionate message to him from you and all your relations mentioning his accomplishments and why he meant so much to you.