

# PYH101 (Feb 08, 2012)

Total Questions	41
MCQ's	26

## Subjective

- What is difference between reflected ray and refracted ray? (2)
- What is Major difference between Galvanometer and Simple electric motor? (2)
- Which is denser, dry with water vapors? (2)
- There was a question on Bullet. (5)

### Data:

Mass = 0.05 (kg)

Speed = 60 (m/s)

Length = 4.0 (cm)

Force =?

- What is Plum Law? What are its basic features? Why it was wrong? (5)
- There was a question on Woman and Disk. (3)

### Data:

Mass of a Woman = 50 kg

Mass of Disk = 110 kg

Time = ----- (rev/s)

Radius = -----

Angular momentum of a Woman =?

Angular momentum of a Disk =?

- What is Composition of Sun?(3)

## Objective

The inner side of sun is called -----

- Core
- Radiation zone
- Nucleus

The fundamental dimensions are -----

Options were given

The fundamental dimensions of angular momentum are -----

- $M.L^2T^{-1}$  (True)