**Compound Pendulum**

1) What is a compound pendulum?

2) Which is superior? compound pendulum or simple pendulum?

3) What do you mean by center of suspension and center of oscillation?

4) What is the length of the equivalent simple pendulum?

5) What are the defects of the compound pendulum?

MID

1) Explain why mass is constant but weight is variable on earth and space. Justify the value of ‘g’.

2) What is compound pendulum? Write down the equation of it’s time period. Why the amplitude of the pendulum is kept small.

3) What is the difference between ‘g’ and ‘G’? How the value of ‘g’ changes as we move from the surface towards the C.G. of the pendulum?