**FORM 3 END TERM EXAM**

**Name:........................................................Adm.No....................... Stream..........................**

**PHYSIC PP1-2015-MARKING SCHEME**

1. Volume of 20 drops = 20×0.15 cm3

=3.0 cm3

New level =35cm3-3.0 cm3

=32 cm3

2. Volume of cylinder= Volume of sphere

3. It is more denser.

A shorter tube will be used.

4. When fixed,they will cut when they contact when it is cold.

5. It expands when heated.

It is a good conductor of electricity.

6. The position of centre of gravity.

Base area.

7. Area of Monolayer=Molecule thickness.

8.Clockwise movements=anti-clockwise movements.

9. Momentum before=Momentum after

10. Rises because the buld contracts on cooling.

Drops due to tempaerature of ice cold water.

11. For lical spring of other elastic material,the extension is directly proportional to the stretching force provide the elestic limit is not exceeded.

12. Glass is apoor conductor of heat.

The inside expended more than the outside of the tumbler or uneen expansion between the inside and outside of the tumbler.

13. a) When two or more objects interact,their total momentum remin constnt provided no external resultnat force is active on them

1. Elastic collision is one which both kinetic energy and momntum is conserved.

-Inelastic collision is one in which momentum is conserved but kinetic energy is not.

i) Momentum active collision=Momentum after collsion.

14. i)Work done by effort= Work done raisingload+Workdone after friction

15. a) Total upward force(x+y)=Total downward force