**GATITU MIXED SECONDARY SCHOOL**

**FORM TWO**

1. Define length (1mark)
2. State Pascal’s principle (1mark)
3. Explain the difference between a liquid and a gas in terms of intermolecular distance and forces (2marks)

4. What do you understand by the terms?

 a) Diffusion (1mark)

5.What happens to an image when

 a) The size of the pinhole is increased (1marks)

 b) The object distance is increased (1mark)

6.. a) State the law of magnetism (1marks)

 b) Define non-magnetic materials and give an example (2marks)

 c) (i) Define demagnetization (1marks)

 (ii) State three ways of demagnetizing a magnet (3marks)

 d) State two uses of magnets (2marks)

7.. a) Define the following terms

 (i) Ray (1mark)

 (ii) Beam (1mark)

 b) State the laws of reflection (2marks)

 c) Name two characteristics of an image formed by a plane mirror (2marks)

8.A object of height 5m is placed 10m away from a pinhole camera.

 Calculate :

 (i)the size of the image if its magnification is 0.01 (2marks)

 (ii) The length of the pinhole camera (2marks)

 9. Calculate the amount of current flowing through a bulb if 300 coulombs of charge flows through it in 2.5 minutes (3marks)

10. State two defects that occur in a dry cell (2marks)