FORMATIVE ASSESSMENT –1
PHYSICAL SCIENCE (Chapters 1,2,3,4,5)

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CLASS: 10   **(2020-2021)**   **Max.Marks: 20**

Name of the Student:_____ **Roll no:___ Time: 45 min**

I) Answer the following questions   **6x1/2=3M**

1. What is lens formula?
2. What is the value of angle of vision for healthy human being?
3. Write the S.I unit of Specific heat.
4. During refraction, light follows _____ law
5. What we call when a line joins the centre of curvature and the pole of a curved surfaces?
6. A solution turns red litmus blue, its p^H is likely to be
   A) 1   B) 4   C) 5   D) 10

II) Answer the following questions   **3x1=6M**

7. What is a lens?
8. Define "Refractive index"
9. The Doctor Advised to used 2D lens to correct eye defect. What is its focal length?

III) Answer the following questions   **3x2=6M**

10. Write any two differences between heat and temperature?
11. What is a neutralization reaction? Give example
12. Draw ray diagrams for the Convex lens, when Object is placed at F_2

IV) Answer the following questions   **2x4=8M**

13. Explain the procedure of finding specific heat of solid experimentally.

                                (OR)

    How do you verify experimentally that sin i/ sin r is a constant?

14. Why does tooth decay start when the p^H of mouth is lower than 5.5?

                                (OR)

    How do you correct the eye defect Myopia?