

FORMATIVE ASSESSMENT -1
PHYSICAL SCIENCE (Chapters-1,2,3)

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srini science mind

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. Write the relation between calorie and joule.
2. When a light ray travel from denser to rarer medium along with the normal
 - a) It bends towards the normal
 - b) It moves away from the normal
 - c) It is an undeviated
3. What is the SI unit of refractive index?
 - A) m/s
 - B) m/s²
 - C)kg-m/s
 - D) No unit
4. Temperature of a body is directly proportional to _____
5. What is the formula of milk of magnesia?
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=3M

7. Convert 27^oC into Kelvin scale.
8. Define "Refraction"
9. What is the nature of non-metal oxides?

III) Answer the following questions

3x2=6M

10. On what factors does the refractive index of a medium depend?
11. What is a neutralization reaction? Give example
12. Why pure acetic acid does not conduct electricity

IV) Answer the following questions

2x4=8M

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

(OR)

How do you appreciate the role of the higher specific heat of water in stabilizing atmospheric temperature during winter and summer seasons?

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

(OR)

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