

**PHYSICAL SCIENCE**  
**FORMATIVE ASSESSMENT-3**  
**( 2019-2020)**

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CLASS: 9

Max.Marks:20

NAME OF THE STUDENT: \_\_\_\_\_

ROLL NO: \_\_\_\_\_

**I) Answer the following questions**

**4X1=4M**

1. Why do we apply paint on iron articles?
2. What is meant by Rancidity
3. Write the mirror formula
4. What will be the moon take when the moon stops rotating round the earth?

**II) Answer the following questions.**

**2x2=4M**

5. Two spherical balls of mass 10kg each are placed with their centers 10 cm apart. Find the gravitational force of attraction between them
6. By observing steel vessels and different images in them, Surya a third class student, asking his elder sister Vidya some questions. What may be those questions?

**III) Answer the following questions.**

**2x4=8M**

7. What is the difference between displacement and double displacement reactions? Write equations for these reactions

**(OR)**

Balance the following chemical equations

- a)  $H_2 + O_2 \rightarrow H_2O$
  - b)  $C_3H_8 + O_2 \rightarrow CO_2 + H_2O$
  - c)  $PbO + C \rightarrow Pb + CO$
  - d)  $KClO_3 \rightarrow KCl + O_2$
8. How do you find the focal length of a concave mirror in the lab?

**(OR)**

How can you find the centre of gravity of a India map made of steel? Explain

**IV) Choose the correct answer from the given choices**

**8x1/2=4M**

9. Which metal is used in galvanizing ( )  
A) Cu B) Zn C) Al D) Fe
10. Magnification = ( )  
A)  $h_i/h_o$  B)  $h_o/h_i$  C)  $v/u$  D)  $u/v$
11. At what position, size of object and size of image are same, when object is kept in front of concave mirror ( )  
A) at F B) at C C) between F and C D) beyond C
12. What type of mirror is used in solar cookers ( )  
A) Plane B) Convex C) Concave D) all of these
13. The distance between pole and focus is ( )  
A) focal length B) radius of curvature C) object distance D) image distance
14. The direction of acceleration in uniform circular motion is ( )  
A) Toward centre B) Away from centre C) Tangential D) No direction
15. Weight of 10kg body is ( )  
A) 980N B) 98N C) 9.8N D) 0.98N
16. Which one is not an oxidation process ( )  
A) Rancidity B) Alloying C) Corrosion D) Combustion