

TEST-5

SUBJECT: PHYSICAL SCIENCE

Academic Year-(2020-2021)

CLASS: X

CHAPTER-5: HUMAN EYE AND COLOURFUL WORLD

NAME OF THE STUDENT: _____

ROLL NO: _____ MAX.MARKS:20

I. Answer the following questions**2x4=8**

1. How do you correct the eye defect Myopia?(
2. Explain the correction of the eye defect Hypermetropia

II. Answer the following questions**3x2=6**

3. Define power of lens and write their unit
4. Ammalu can see the name boards of Buses clearly from long distance. But she cannot read newspaper clearly.(AS2)
 - i) What type of eye defects does Ammalu have?
 - ii) What kind of lens does Ammalu use to correct her eye defect?

5. How many types of eye defects ? What are they?

III. Answer the following questions**3x1=3**

6. Define angle of vision
7. How do you correct the defect Presbyopia?
8. A person is suffering from myopia, his far distance is 5 m. what is the focal length of his eye lens

IV. Answer the following questions**6x1/2=3**

9. What is the value of angle of vision for healthy human being?
10. Matching
 - X) Least distance of distinct vision () P) 25 cm
 - Y) Angle of vision () Q) 30 cm
 - () R) 60°
11. A person is advised to wear spectacles with convex lens. What type of defect of vision is he suffering from?
12. What are the limits to change the focal length of eye lens?
13. Match the following

<u>Section-A</u>	<u>Section-B</u>
1. Myopia	a) Convex lens
2. Hypermetropia	b) Vision defect with age
3. Presbyopia	c) Concave lens
14. What is the value of least distance of distinct vision for healthy human being?