

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

HUMAN EYE AND THE COLOURFUL WORLD

SESSION -2024-25

CLASS - 10th

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Time: 1hr The Human eye and the Colourful World mm.

Q. 1. Why does the sky appear dark instead of blue to an astronaut?

Q. 2. Why do stars twinkle?



Q. 3. Explain why the planets do not twinkle.

Q. 4. Draw a diagram of dispersion of white light by the glass prism.

Q. 5. Draw a well labelled diagram of human eye.

Q. 6. Draw a labelled diagram of refraction of light through a prism



Q. 7. Draw a ray diagram of scattering of light in colloidal solution.

Q. 8. What is called the colour dispersion? Explain with diagram.

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Q.9. Why does the colour of the clear sky appear blue?



Q.10. A person needs a lens of power -5.5 dioptres for correcting his distant vision. For correcting his near vision, he needs a lens of power $+1.5$ dioptre. What is the focal length of the lens required for correcting (i) distant vision (ii) near vision?



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