The human eye and the Colorful World

Chapter: 11

Practice test

Q1: What is the far point and near point of the human eye with normal vision? (2 marks)

Q2: What do you mean by Dispersion of white light? (2 marks)

Q3: What do you mean by Tyndall effect? (2 marks)

Q4: Explain why the planets do not twinkle. (2 marks)

Q5: Why does the sky appear dark instead of blue to an astronaut? (2 marks)

Q6: A person needs a lens of power -3.5 dioptres for correcting his distant vision. For correcting his near vision, he needs a lens of power +2.5 dioptre. What is the focal length of the lens required for correcting (i) distant vision, and (ii) near vision? (3 marks)

Q7: Which part of the eye can control the size of eye lens? (1 marks)

Q8: Why is the colour of the clear sky being blue? (2 marks)

Q9: Draw the diagram of prim and mention all the angle in it. (2 marks)

Q10: Explain the formation of rainbow. (2 marks)