

Lesson 30 – Question Bank

[A] Answer the following in short

1. What is ray model?
2. What are the higher and lower order modes?
3. Write the type of modes..

[B] Answer the following in detail

1. Draw the diagram for zero, lower and higher order mode of propagation of light and discuss the working of ray model.
2. What is the difference between single mode step index fiber and multi mode step index fiber?
3. What is the difference between multi mode step index fiber and multi mode graded index fiber?
4. Discuss the structure, advantages, disadvantages and mode of propagation through single mode step index fiber.
5. Discuss the structure, advantages, disadvantages and mode of propagation through multi mode step index fiber.
6. Discuss the structure, advantages, disadvantages and mode of propagation through graded index multi mode fiber.
7. Discuss the application of optical fiber.