

II. State whether the following statements are TRUE or FALSE (10 x 1 = 10)

1. Dana lens was the first commercially available disposable lens.
2. Rapid production becomes difficult with lathing.
3. High water content lenses have low refractive index.
4. Peripheral cornea is avascular.
5. Cornea is supplied by third nerve.
6. EDTA can act as a chelating agent.
7. For short term storage lens, storage solution can be changed on a weekly basis.
8. Vertometer helps us to measure the BC of a contact lens.
9. Corneal warpage is caused by hard lenses.
10. Thiomersal-containing solutions cause allergic conjunctivitis.

III .Fill in the blanks: (10 x 1 = 10)

1. Hydro curve EW lenses are made of _____.
2. _____ toric lenses are preferred in patients with internal astigmatism.
3. _____ is the preferred fit in keratoconus.
4. _____ is the RGP material that can be used for EW.
5. _____ technique of manufacturing is preferred for high volume production.
6. Hypertonic saline with bandage contact lens is used in _____.
7. Type A cosmetic ch is used in _____.
8. _____ (spherical/aspheric) results in better vision & centration.
9. Narrow edge results in _____ fit.
10. Vision getting blurred after blink happens in _____ fit.

IV. Write any FIVE answers of the following: (5 x 6 = 30)

1. Write a brief account on tear lens system.
2. Discuss about the uses of cosmetic CL.
3. Write notes on SCL design.
4. List the contraindications of contact lens.
5. Discuss about the selection of BC and TD in CL fitting.
6. Discuss about low DK & High DK lenses.
7. Enumerate the advantages of SCL over RGP.

V. Write any TWO essays of the following: (2 x 10 = 20)

1. Explain in detail about the CL fitting of keratoconus.
2. Describe in detail about the SCL fitting and assessment.
3. Write detailed notes on toric soft contact lens.

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