Write short notes on:

1. Pathomechanism, investigations and seasonal variations of allergic contact dermatitis.

2. a) Hair cycle.
   b) Structure of hair with schematic diagram.
   c) Draw the diagram of anagen and telogen hair.

3. a) Pathophysiology of pruritus.
    b) Classify anti-histamines.

4. a) Various types of skin biopsies with their merits and limitations.
    b) Enumerate special stains in dermatopathology.

5. a) Topographical variations of skin and its structures.
    b) Histopathology of normal buccal mucosa.

6. a) Various quantitative methods to assess body surface area.
    b) How do you calculate Psoriasis Area Severity Index (PASI)?

7. a) Relaxed skin tension lines.
    b) Principles of Z-plasty.

8. Salient features of various types of granulomatous reactions in the skin.

9. a) Various methods of randomization.
    b) Basis of specificity and sensitivity of an investigation.

10. a) Enumerate the condition(s):
    i. where there is tissue reaction to abnormal cold
    ii. where there is abnormal reaction to cold stimulus
    b) Cyrogens.

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