

DERMATOLOGY AND VENEROLOGY

PAPER - I

DVD/J/13/06/I

Time : 3 hours

Max. Marks : 100

Attempt all questions in order.
Each question carries 10 marks.

1.
 - a. Enumerate types of clinical studies. 2+2+2+2+2
 - b. Discuss briefly the best type of study to evaluate the comparative efficacy of a drug A compared to standard drug X.
 - c. When calculating sample size in such a trial what is meant by the following:
 - i) Power of Study and
 - ii) Level of significance.
 - d. What is evidence based medicine?

2. Discuss in brief: 2+2+2+4
 - a. How the skin acts as a physical barrier?
 - b. Role of skin in thermoregulation.
 - c. Role of skin in innate immunity.
 - d. Cells mediating acquired immunity of skin.

3.
 - a. What is the resident flora of skin? 2+6+2
 - b. Discuss the importance of resident flora of the skin in health and disease.
 - c. Discuss one such condition.

4.
 - a. What is acute skin failure? 3+3+2+2
 - b. Enumerate causes of acute skin failure.
 - c. What are its complications?
 - d. Outline the management of acute skin failure.

5.
 - a. Discuss the structure of eccrine sweat gland. 4+4+2
 - b. Describe briefly formation of sweat.
 - c. Tabulate the differences between eccrine and apocrine sweat glands.

6.
 - a. Discuss the antenatal diagnostic tests available for genodermatoses. 4+4+2
 - b. Discuss genetic mosaicism.
 - c. What are the patterns of lines of Blaschko?

7.
 - a. Enumerate different types of skin biopsy techniques. 2+4+4
 - b. Discuss special stains used on skin biopsy samples.
 - c. Discuss in brief skin diseases where special histological stains are required.

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8. a. Describe the anatomy of the female genital tract. 4+4+2
b. Discuss the lymphatic drainage of female genital tract.
c. Discuss the role of the types of mucosal lining in relation to susceptibility to sexually transmitted infection in females.
9. a. Enumerate the structural components of a hemidesmosome. 2+2+2+4
b. What are the important antigenic components of desmosome?
c. What are the functions of the desmosomes and hemidesmosomes?
d. Discuss the role of desmosomes in blistering diseases of skin.
10. a. Enumerate mediators of pruritus. 3+4+3
b. Discuss pathophysiology of pruritus.
c. Classify the antihistamines.
