

(LP 021)

AUGUST 2019

Sub. Code: 1351

**D.M. – RHEUMATOLOGY**

**Paper I – BASIC SCIENCES AND DIAGNOSTIC PROCEDURES IN  
RHEUMATOLOGY AND CLINICAL IMMUNOLOGY**

*Q.P. Code: 161351*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss biomechanics of spine in health and disease.
2. Explain NF Kappa B mediated cell signal transduction.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Platelet microparticles.
2. Animal models of lupus.
3. Immune privileged tissue.
4. Proteomics and its applications.
5. Antigen processing and presentation.
6. Immunological tolerance.
7. Vitamin D and its immunomodulatory actions.
8. DNA sequencing.
9. Principles of Biobanking.
10. Thermography.

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