

(LR 021)

NOVEMBER 2020
(AUGUST 2020 SESSION)

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
Marks**

Maximum: 100

I. Elaborate on:

(2 x 15 = 30)

1. Explain epigenetics of rheumatic diseases. Write in detail about how epigenetics revolutionized the management of rheumatic diseases.
2. Discuss antigenic diversity and B cell response. Mention genetic mechanisms underlying this in rheumatic diseases.

II. Write notes on:

(10 x 7 = 70)

1. Extracellular matrix components of articular cartilage
2. Joint constraint and stability
3. Noncanonical inflammasome
4. CXC chemokines in arthritis
5. Animal models of auto immunity
6. Linkage disequilibrium
7. Sarcopenia
8. Pyroptosis
9. Signaling pathways in platelet activation
10. Targeted complement therapeutics
