

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[DM 0823]**

**AUGUST 2023**

**Sub. Code :1354**

**D.M. – CLINICAL IMMUNOLOGY AND RHEUMATOLOGY**

**PAPER IV – RECENT ADVANCES IN RHEUMATOLOGY  
AND IMMUNOLOGY**

*Q.P. Code: 161354*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss evidence for various steroid sparing strategies in the treatment of Autoimmune Rheumatic diseases.
2. Pulmonary artery hypertension in systemic sclerosis: Screening, diagnosis and recent trends in treatment.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Lupus podocytopathy.
2. Interferon as a target of treatment in lupus: Discuss evidence.
3. Interstitial Pneumonitis with autoimmune features: Diagnostic approach, treatment and outcome.
4. Single cell studies in autoimmune diseases.
5. Principal component analysis.
6. Chimeric antigen receptor cells for autoimmunity.
7. Role of diet in autoimmunity.
8. Multisystem inflammatory syndrome in children (MIS-C).
9. Use of telemedicine for continuity of Rheumatology care, discuss the Pros and Cons.
10. Role of artificial intelligence in Rheumatology.

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