

RHEUMATOLOGY

PAPER – I

RHEU/D/10/43/1

Time : 3 hours
Max. Marks : 100

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. Genetics of osteoarthritis.
2. Smoking and rheumatoid arthritis.
3. Bursa's around the knee joint.
4. Briefly describe any disease that occurs due to a specific antibody.
5. Number Needed to Harm (NNH)
6. Autophagy and immune function.
7. Disease activity assessment in ankylosing spondylitis
8. Class I HLA association with rheumatological disease.
9. Wnt signaling pathways.
10. Viral arthritis in India.

RHEUMATOLOGY

PAPER – II

Time : 3 hours
Max. Marks : 100

RHEU/D/10/43/2

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

Write short notes on:

1. 2010 ACR / EULAR criteria for rheumatoid arthritis.
2. MRI in ankylosing spondylitis.
3. Diagnosis and management of scleroderma lung disease.
4. Xanthine oxidase inhibitors in Gout.
5. Pro-inflammatory HDL.
6. BeSt study and its therapeutic implications.
7. Diagnosis and management of steroid induced osteoporosis.
8. Tanezumab.
9. Classification and diagnostic criteria for fibromyalgia.
10. Treatment of lupus nephritis.

RHEUMATOLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

RHEU/D/10/43/3

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

Write short notes on:

1. NALP3 Inflammasome.
2. Anti Blys antibody.
3. Biological therapies in gout.
4. Animal models for APS.
5. 'ASAS' classification of spondyloarthropathy.
6. Stem cell transplantation for osteoarthritis.
7. Rituximab treatment in vasculitis.
8. Denosumab.
9. Spleen tyrosine kinase inhibitors.
10. Temporal artery ultrasonography for giant cell arteritis.