

RHEUMATOLOGY

PAPER-II

RHM/D/18/43/II

Time: 3 hours

Max. Marks:100

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. Clinical and radiological assessment tools used in spondyloarthropathy. 5+5
2. What is the clinical utility of anti-citrullinated peptide antibody in rheumatoid arthritis (RA)? Discuss newer antibodies in RA. 6+4
3. Pathogenesis, diagnosis and treatment of rheumatoid vasculitis. 3+4+3
4. Discuss standard of care for a 65-year old obese lady with bilateral knee osteoarthritis (OA). What are the newer targets of therapy in OA? 5+5
5. Briefly discuss urate handling by kidney and how does it contribute to pathogenesis of gout. What are the newer approaches to lower serum urate levels? (3+3)+4
6. Discuss rheumatological manifestations of diabetes. What are the clinical and radiological features of neuropathic arthritis in diabetes? 7+3
7. What are cryoglobulins? How do you classify cryoglobulins? Describe the method of sample collection and processing for cryoglobulin testing. What are the major clinical manifestations of cryoglobulinemia? 1+2+3+4
8. Discuss role of IL-17/IL-23 pathway in psoriasis. What are the drugs being used or in pipeline targeting this pathway and what is their efficacy? 4+6
9. List the organisms that have been linked with reactive arthritis. Describe immuno-pathogenesis of reactive arthritis. Are antibiotics useful in treatment of reactive arthritis, justify your answer? 4+4+2
10. What are the major side effects of oral bisphosphonates? What advise do you give to patients before prescribing these drugs. How do you assess the response to oral bisphosphonate therapy? 4+3+3
