

CLINICAL IMMUNOLOGY AND RHEUMATOLOGY**PAPER-II**

Time: 3 hours

RHM/D/20/43/II

Max. Marks:100

Important Instructions:

- **You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.**
- **Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.**
- **No additional supplementary answer sheet booklet will be provided.**
- 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. Role of MHC and non MHC genes in RA. What is MHC-I-opathy? (3+3)+4
2. Rheumatological manifestations of diabetes and thyroid disorders. 5+5
3. What is the EULAR definition of difficult to treat RA. How do you treat difficult to treat RA? 3+7
4. Discuss treatment recommendations for knee and hand osteoarthritis. (3+2)+5
What are the advances in treatment of OA?
5. Discuss in brief animal models of Spondyloarthropathy. Discuss management of non-radiographic SpA. 5+5
6. Role of 17/23 axis in pathogenesis of SpA. Discuss about immunogenecity of biological agents. 5+5
7. Hemophilic arthropathy and its treatment. 6+4
8. Recent recommendations on management of psoriatic arthritis and what are the differences from previous recommendations. 5+5
9. Epidemiology and risk factors for rheumatoid arthritis. Discuss role of early arthritis clinic. 6+4
10. What is erythema nodosum (EN)? What are its various causes? How do you manage idiopathic EN. 3+4+3
