

GENERAL MEDICINE
PAPER-IV

TIME: 3 HOURS
MAX. MARKS: 100

MED/J/20/11/IV

IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part "A" and part "B", each part containing 5 questions.
- Answers to questions of part A and part B are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets of Part A and Part B are not to be tagged together.
- Part A and Part B should be mentioned only on the covering page of the respective answer sheets.
- 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:

PART A

1. Structure, functions of telomeres and relation of telomere length to disease risks. 3+2+5
2. Pathogenesis and management of sarcoidosis. 4+6
3. Enumerate oral JAK inhibitors and their role in treatment of diseases. 4+6
4. Recent advances in diagnosis and management of Irritable bowel syndrome. 4+6
5. a) Lung as an endocrine organ. 5+5
b) Outline the recent advances in management of interstitial lung disease.

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Please read carefully the important instructions mentioned on Page '1'

- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

PART B

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|---|-------|
| 6. What is the human microbiome? Outline the relationship between microbiota with specific disease states. Describe fecal microbiota transplantation. | 3+3+4 |
| 7. Diagnosis and management of Legionella infections. | 5+5 |
| 8. a) Impact of Hepatitis C- HIV co-infection.
b) Management of HCV infection in people living with HIV. | 5+5 |
| 9. a) Concept of emerging infectious diseases.
b) Effect of climate change on disease. | 5+5 |
| 10. Indications and strategies of domiciliary oxygen therapy. | 5+5 |
