

**GENERAL MEDICINE**

**PAPER-I**

TIME: 3 HOURS

MED/D/20/11/I

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.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

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**PART- A**

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Write short notes on:

**PART - A**

1. Discuss the mechanism of action and clinical uses of metformin. 5+5
2. Classify neuromuscular weakness related to critical illness. Describe patho-physiology and clinical features of neuromuscular weakness related to critical illness. 2+(4+4)

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**PART- B**

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Write short notes on:

**PART - B**

3. Describe pulsus paradoxus using a labelled diagram. Discuss the clinical examination findings and list the conditions causing it. 4+(3+3)
4. Describe the types of hyponatremia and discuss its evaluation and treatment. 3+4+3

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**PART- C**

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**Write short notes on:**

**PART - C**

5. Describe the principles of antimicrobial stewardship and discuss the mechanisms of antibiotic resistance. 5+5
6. Describe the pathogenesis of Hepatitis B infection. List the various serological markers and their significance in clinical practice. 5+5

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**PAPER-I**

**PART- D**

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Write short notes on:

**PART - D**

7. Classify hemolytic anaemia and discuss its laboratory diagnosis. 5+5
8. Describe the physiology of sleep regulation. List the causes and describe the treatment of hypersomnolence. 4+(2+4)

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**PAPER-I**

**PART- E**

TIME: 3 HOURS

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Write short notes on:

**PART - E**

9. Describe the functional anatomy of lungs, the physiology of breathing and respiratory function abnormalities in Obstructive versus Restrictive Lung diseases. 3+3+4
10. Describe the anatomy and physiology of different segments of the Nephron and outline the renal function tests used for diagnosis of Tubulo-interstitial renal diseases. 2+4+4