

GENERAL MEDICINE

PAPER-II

TIME: 3 HOURS
MAX. MARKS: 100

MED/D/20/11/II

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. a) Name the various immune-mediated and non-immune mediated adverse reactions following blood transfusion. Write a note on Transfusion Related Acute Lung Injury (TRALI). (3+3)+(1+3)
b) How is Acute Myeloid Leukemia (AML) diagnosed? What are the genetic abnormalities in AML that are associated with favorable outcomes, if appropriately treated?
2. a) What are the ROME-IV diagnostic criteria for diagnosing Irritable Bowel Syndrome (IBS)? Discuss the newer agents introduced for treating IBS. 2+3+5
b) Enumerate the differences between type-1 and type-2 Crigler Najjar syndromes.

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PART B

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Write Short notes on:

PART B

3. a) How do you diagnose Spontaneous Bacterial Peritonitis (SBP)? How do you treat SBP? (2+4)+4
b) What are the diagnostic criteria for diagnosing Hepato-Renal Syndrome (HRS)?
4. a) Definition and causes of Acute Respiratory Distress Syndrome (ARDS). (2+2)+6
b) What are the various strategies employed in mechanical ventilation in ARDS?

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PART C

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Write Short notes on:

PART C

5. a) What is the operational definition of Osteoporosis? What are the risk factors for Osteoporotic fracture? (1+3)+6
b) Dual-energy X-ray absorptiometry (DXA) scan.
6. a) Biological functions of Thiamine in the human body. 2+4+4
b) Beriberi.
c) Pellagra.

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PART D

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Write Short notes on:

PART D

7. a) Draw a labeled diagram of the spinal cord at the C4 level. 7+3
b) List the findings of CSF examination in a case of acute bacterial meningitis.
8. Risk factors, clinical features, diagnosis, and re-warming strategies in a case of hypothermia. 2+3+2+3

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PART E

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Write Short notes on:

PART E

9. a) Hyporeninemic hypoaldosteronism and hyperkalemia. 6+4
b) ECG changes in hyperkalemia.
10. a) Classify diabetes mellitus. 4+6
b) Physiological response to an episode of hypoglycemia.
