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 questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) 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 sheet(s).
- 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.

PART A

Write short notes on:

1. a) Define and classify chronic pain.
   b) Methods of treatment of Complex Regional Pain Syndrome of left upper limb in a 20 year old male patient.

2. a) Metabolic changes that occur during critical illness.
   b) Goals of nutritional support in critically ill patients.
   c) Enumerate the daily requirements for a critically ill patient admitted in I C U.

3. a) Indications for putting the patient on mechanical ventilation in ICU setting.
   b) Name the various modes of ventilation.
   c) How would you initiate a patient on mechanical ventilation?

4. a) Recent guidelines for ventilation and chest compressions for neonatal resuscitation.
   b) What are the drugs used for neonatal resuscitation?

5. a) Indications of renal replacement therapy.
   b) Enumerate the various modes of renal replacement therapy.
   c) Role of CRRT in septic shock.

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P.T.O.
Please read carefully the important instructions mentioned on Page ‘1’

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- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.

**PART B**

6. a) Define HOSPICE care. Who qualifies for it and where is HOSPICE care provided? (2+2+2)+4
   b) Pain management strategies for HOSPICE care.

7. a) Coagulation abnormalities that can occur in haemorrhagic shock. 3+4+3
   b) How will you investigate and treat it?

8. a) Different measures used to assess sedation in ICU. 5+5
   b) Briefly describe three commonly used agents for ICU sedation.

9. a) Enumerate the criteria for brain death. 3+7
   b) Anaesthetic goals in a brain dead patient scheduled for organ harvesting.

10. a) How will you investigate the neurological status of a patient who sustained head injury in a road traffic accident? 6+4
   b) How will you manage this patient in the Emergency department?
POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.