

**RURAL SURGERY**  
**PAPER-I**

RURAL/D/17/44/I

Time: 3 hours  
Max. Marks: 100

- 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 question 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. Define types of hemorrhage. Classify degree of hemorrhage and briefly outline management of severe Hemorrhage 3+(3+4)
2. Enumerate blood group types and principle of cross matching. Describe blood components and complications arising from massive transfusion. (2+2)+(3+3)
3. Describe types of wound closure and classify nature of wounds and briefly describe management of severe acute limb injury. 3+3+4
4. What is the metabolic response to starvation? Enumerate average daily water requirement and calculate daily fluid and electrolytes requirement after abdominal surgery. 3+(2+5)
5. What is synergistic gangrene? Enumerate its type and principles of management. What are the reasons of increased postoperative wound infection? 2+(2+3)+3
6. Briefly describe common imaging modalities used in surgical practice. Describe principles of magnetic Resonance imaging, its strength and weakness. 4+6
7. Enumerate types of pneumothorax. What is tension pneumothorax? How will you manage a case of tension pneumothorax in emergency? 2+2+6
8. What are common causes of orbital swelling? Briefly outline the common ophthalmic injuries. Briefly outline their management. 2+4+4

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| 9.  | What are the common types of anaesthesia used in present day surgery? Discuss monitoring and care during anaesthesia | 4+6 |
| 10. | Name the paranasal sinuses and describe their assessment. Outline management of severe epistaxis                     | 4+6 |