

**GENERAL SURGERY**

PAPER-I

TIME: 3 HOURS  
MAX. MARKS: 100

SURG/J/18/12/I

**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. a) Define criteria for labelling SIRS and sepsis syndrome. 3+3+4  
b) Enumerate stages of pressure sore and its presenting sites in chronology.  
c) Clinical presentation and management of gas gangrene.
2. a) Calculate the composition of total parenteral nutrition required for a 60 kg man with pancreaticoduodenal leak after Whipple's procedure and is currently in ICU. 4+6  
b) Complications of parenteral and enteral nutrition.
3. a) Enumerate components of arterial blood gas analysis and their significance in patient's management. 4+3+3  
b) Treatment of metabolic acidosis.  
c) Clinical features and management of hypokalaemia.
4. a) Define shock. Describe pathophysiological response of body to shock. 5+5  
b) Classify shock as per metabolic characters and clinical features.
5. a) Steps of primary survey in trauma. 5+5  
b) Purpose and steps of secondary survey in trauma.

**GENERAL SURGERY**

PAPER-I

**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**

- |   |           |
|---|-----------|
| 6. a) What is understood by a 'blinded' trial?  | 2+2+2+2+2 |
| b) Why is it necessary to calculate a sample size?  |           |
| c) What is meant by lead time bias? Explain with an example.  |           |
| d) What is meant by a 'systematic review' and 'meta-analysis'?                                      |           |
| e) What are the 'levels of evidence'?   |           |
| 7. a) Postoperative complications associated with infusion and monitoring system.                   | 4+6       |
| b) Postoperative complications associated with cardiovascular and respiratory system.               |           |
| 8. a) Universal precautions   | 3+3+4     |
| b) Methods of perioperative acute pain management.  |           |
| c) Preoperative risk factors for postoperative deep vein thrombosis and its prophylactic management |           |
| 9. a) Absorbable suture materials commonly used in surgery.   | 5+5       |
| b) Modern advances in haemostasis.  |           |
| 10. a) Clinical features and management of extradural hematoma.                                     | 5+5       |
| b) Antibiotic prophylaxis in surgery.   |           |

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