

APPLIED BASICS OF SHALYATANTRA

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Application based question:

1 X 20 = 20

1. A 60 years old man with 85 kg weight, presented with symptoms of Acute intestinal obstruction and after investigations provisionally diagnosed as a case of Colonic obstruction at the level of Sigmoid colon with a proliferative growth was resected. Calculate and administer appropriate fluid therapy based on patient needs, considering factors such as age, weight, underlying conditions, preoperatively during operation and post operatively.

Short answer questions:

8 X 5 = 40

2. Write the Sterilization methods and explain the type of methods suitable for different types of surgical instruments.
3. Describe the role of Yantra (Blunt Instruments) in surgery.
4. Write the purpose of Surgical audits and describe the process of surgical audits.
5. Explain Shatkriyakala in surgical practice.
6. Describe the use of various Analgesics and Anti-inflammatory drug in surgery.
7. Enumerate types of Bandages, bandaging materials and indications of Bandhana as per Ayurveda texts.
8. Describe core ethical principles in surgical context.
9. Write the classification and the use of Antibiotics in surgical conditions.

Long answer questions:

4 X 10 = 40

10. What are the indications of blood transfusion. Write complications with management.
11. Describe the High-fidelity simulators for practising minimally invasive techniques.
12. Describe the warning signs of Post surgical morbidity and its risk factors with prevention and management plan.
13. Describe the Ashtavidha shasthra karma and write its application in the treatment of surgical disorders.
