

## **Scope of Knowledge for Master of Surgery (Plastic) MedEx**

The entrance examination consists of 60 best single answer with no negative marking.

The duration of the examination is 2 hours

The scope of knowledge is listed below.

### **1. PRINCIPLES OF SURGERY**

The candidate will be tested on the general principles of practice surgery.

Relevant basic sciences knowledge on:

- a) Anatomy
- b) Physiology
- c) Pathology

Emphasis on understanding basic processes and the applications to surgery.

- a) Principles
- b) Pre-operative assessment and management
- c) Theatre techniques
- d) Aseptic techniques and sterilization.
- e) Anaesthesia in general, maintenance of homeostasis
- f) Basic surgical techniques: suturing and suture materials, dressing, plasters.
- g) Diathermy
- h) Tourniquet.
- i) Haemorrhage shock, burns
- j) Fluids electrolyte balance
- k) Post-operative complications
- l) Sepsis in surgery
- m) Acute and chronic inflammation
- n) Wound infections, septicaemia
- o) Antiseptics
- p) Antibiotic policies

- q) Intensive Care
- r) Surgical nutrition
- s) Surgical haematology and transfusion practice.

## **2. SPECIFIC TOPICS FOR PLASTIC SURGERY**

General and basic plastic surgical sciences:

- a) Introduction to plastic surgery
- b) Basic surgical skills
- c) Basic principle of plastic surgery
- d) Wound healing and scar
- e) Anatomical basis of flaps
- f) Tissue transplantation and biomaterial
- g) Psychological understanding and management of the plastic surgery patient.
- h) Basic medico-legal principles in plastic surgery
- i) Medical photography