

लोक सेवा आयोग
नेपाल स्वास्थ्य सेवा, सर्जरी समूह, प्लास्टिक सर्जरी उपसमूह, अधिकृत नवौं (९) तहको (खुल्ला र आन्तरिक)
प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

Paper II

Part I: General Subject

25 Marks

1. History of plastic surgery
2. Medical Photography: standard and importance
3. Plastic and Burn surgery team
4. Communication in plastic surgery
5. Bio materials in plastic surgery
6. Consent & informed consent
7. Structure & function of skin
8. Blood supply to the skin
9. Classification of flaps and plasties : Z plasty, w plasty
10. Wound healing: skin, bone, nerve, tendon (uses of growth factors, stem cells and modulation of wound healing and repair)
11. Grafts: skin, bone, nerve, tendon
12. Transplantation & basic immunity
13. Wound dressing & dressing materials
14. Principles of negative pressure wound therapy
15. Tissue expansion
16. Fluid & electrolytes
17. Surgical nutrition
18. Critical care and anesthesia
19. Basis of skin resurfacing
20. Pre & post operation management of surgical patients
21. Management of complications in plastic surgery
22. Research methodology/computer and information technology
23. Medico legal implications

Part II: Technical Subject

100 Marks

1. Skin & soft tissue
 - 1.1. Benign skin lesions: pigmented and non pigmented
 - 1.2. Malignant skin lesions and its management
 - 1.2.1. Basal Cell Carcinoma, Squamous Cell Carcinoma, Sarcoma, Melanoma
 - 1.2.2. Mohs Micrographic Surgery
 - 1.3. LASERs in plastic surgery
2. Craniofacial
 - 2.1. Basic embryology of head & neck
 - 2.2. Principles of craniofacial abnormalities
 - 2.3. Vascular anomalies
 - 2.4. Cleft lip & palate: management and orthopedics
 - 2.5. Cranio – synostosis: syndromic and nonsyndromic
 - 2.6. Craniofacial microsomia
 - 2.7. Craniofacial clefts

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- 2.8. Facial fracture and soft tissue injury
 - 2.8.1. Types of craniofacial fractures
 - 2.8.2. Principles of management
 - 2.8.3. Immediate and late management
- 2.9. Head & neck cancer
 - 2.9.1. Reconstruction of: lips, cheeks, nose, eyelid, mandible, and oral cavity.
 - 2.9.2. Simple reconstruction of head and neck deformities
- 2.10. Ear deformities and abnormalities: aetiology, classification and management
3. Breast and chest wall
 - 3.1. Breast reconstruction and augmentation
 - 3.2. Mastopexy
 - 3.3. Gynaecomastia
 - 3.4. Breast cancer & breast reconstruction
 - 3.5. Nipple reconstruction
 - 3.6. Chest wall defect & reconstruction
4. Upper & Lower limbs
 - 4.1. Congenital deformities: syndactyly, polydactyly, compylodactyly, trigger thumb, phacomalia, dimelia
 - 4.2. Reconstruction surgeries in upper & lower limb
 - 4.3. Nerve compression and release
 - 4.4. Tendon transfer: basic principles and various techniques
 - 4.5. Venous & arterial disease
 - 4.6. Trauma : frost bite, radiation injury
 - 4.7. Infection : leprosy (deformities and correction)
 - 4.8. Metabolic conditions:
 - 4.8.1. Diabetic foot
 - 4.8.2. Gout
 - 4.8.3. Polyderma gangrenosum
5. Flaps
 - 5.1. Different types of flaps
 - 5.2. Musculocutaneous flap planning
6. Autoimmune
 - 6.1. Lupus
 - 6.2. Rheumatoid
 - 6.3. Arthritis
 - 6.4. PAN
7. Neoplasia: Basal Cell Carcinoma, Squamous Cell Carcinoma, Marjolin's ulcer
 - 7.1. Aetiology
 - 7.2. Classification
 - 7.3. Investigations
 - 7.4. Management
8. Lymphaedema : causes, and management
9. Pressure sores

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- 9.1. Causes
- 9.2. Prevention
- 9.3. Surgery for bed sores
- 9.4. Communication with patients and their relatives
10. Urogenital conditions its diagnosis and management
 - 10.1. Hypospadiasis
 - 10.2. Epispadias
 - 10.3. Ambiguous genitalia
 - 10.4. Vaginal agenesis
 - 10.5. Reconstruction of genitalia
11. Burns
 - 11.1. Types : thermal , electrical, chemical, Radiation
 - 11.2. Zones of burn injury
 - 11.3. Pathophysiology of burns
 - 11.4. Estimation of burn injury
 - 11.5. Burn resuscitation
 - 11.6. Timing of surgery
 - 11.7. Post burn contracture reconstruction and its modalities
 - 11.8. Psychosocial impacts of burn injury
 - 11.9. Prevention
12. Nutrition
 - 12.1. Surgical nutrition
 - 12.2. Nutrition in acute burns
13. Aesthetic surgery
 - 13.1. Skin resurfacing
 - 13.2. Filler materials
 - 13.3. Face & forehead lift
 - 13.4. Rhinoplasty
 - 13.5. Liposuction
 - 13.6. Abdominoplasty
 - 13.7. Hair transplantation
 - 13.8. Scar revision
