

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER
SYLLABUS FOR SCREENING TEST FOR THE POST OF
ASSISTANT PROFESSOR (Super Speciality)
PLASTIC & RECONSTRUCTIVE SURGERY
MEDICAL EDUCATION DEPARTMENT

Unit -I - General Plastic Surgery

1. Historical Perspectives, Genetics, Psychological aspects, Legal aspects & Ethics.
2. Photography & Anaesthesia in Plastic Surgery.
3. Wound Management, Scar - Keloid & Hypertrophic Management.
4. Flaps & Skin grafts - Physiology, classification & applications.
5. Principles & techniques of Microvascular Surgery.
6. Principle of Tissue Expansion & its application.
7. Repair & grafting of Fat, Tendon, Skeletal muscle, Cartilage, Bone & Peripheral nerve.
8. Alloplastic implants & prostheses in Plastic Surgery.
9. Thermal, Radiation, Electrical & Cold Injuries.
10. Principles of Endoscopic Surgery.
11. Surgical Horizons: Foetal Surgery, Telemedicine & Robotics.
12. Lasers in Plastic Surgery.
13. Anthropometric & Cephalometric Facial Analysis.
14. Transplantation in Plastic Surgery.
15. Principles of Cancer Management.
16. Principles of Closure & Complex wounds.
17. Congenital Vascular Malformations.

Unit - II - Head & Neck Reconstruction

1. Skin & Soft tissue trauma.
2. Acute care & Reconstruction of Facial Burns.
3. Facial fractures - adult & paediatric.
4. Temporomandibular joint dysfunctions.
5. Acquired bony deformities of Cranium & Face.
6. Scalp Reconstruction.
7. Ear Reconstruction.
8. Forehead Reconstruction.
9. Reconstruction of Periorbital Adnexa.
10. Lower third face & lip reconstruction.
11. Midface reconstruction.
12. Facial Paralysis.
13. Oral cavity reconstruction.
14. Mandible reconstruction.
15. Hypopharyngeal & Oesophageal reconstruction
16. Nasal Reconstruction.
17. Neck Reconstruction.
18. Skin & Soft tissue tumours.

Unit -III - Congenital Anomalies

1. Embryology & Classification of Craniofacial Clefts.
2. Classification & pathology of Primary Facial Clefts.
3. Anatomy & Classification of Cleft Palate.
4. Craniofacial Syndromes & Treatment.
5. Craniofacial Microsomia.
6. Non - Syndromic Cranial Synostosis.
7. Unilateral Cleft Lip Repair.
8. Bilateral Cleft Lip Repair.
9. Cleft palate Repair.
10. Velopharyngeal incompetence.
11. Orthodontics in Cleft lip & Palate management.
12. Secondary deformities of Cleft Lip, Nose & Palate.
13. Reconstruction of Orbital Hypertelorism.
14. Reconstruction of Facial Clefts.
15. Reconstruction of Cranial Synostosis.
16. Hemifacial Atrophy.

Unit - IV - Breast & Chest Wall

1. Congenital Anomalies of Breast.
2. Breast Augmentation techniques.
3. Mastopexy.
4. Oncoplastic techniques in Breast.
5. Breast Reduction techniques.
6. Immediate Post Mastectomy Reconstruction- Expander/ Implant techniques.
7. Immediate Post Mastectomy Reconstruction - Autologous.
8. Immediate Post Mastectomy Reconstruction with free tissue transfer - Abdomen based.
9. Delayed Post Mastectomy Reconstruction.
10. Perforator Flaps for Breast Reconstruction.
11. Chest wall Reconstruction - Congenital & Acquired deformities.
12. Nipple Areola Complex Reconstruction.

Unit - V - Trunk, Perineum & Lower Extremity.

1. Abdominal Wall defect reconstruction.
2. Abdominoplasty.
3. Lipsuction techniques for Body Contouring.
4. Reconstruction of Male Genital defects - Congenital & Acquired including Hypospadias.
5. Reconstruction of Female Genital defects - Congenital & Acquired.
6. Gender Reassignment Surgery.
7. Pressure Sores & their management.
8. Vascular insufficiency of Lower Limb.
9. Lymphoedema & its management.
10. Skeletal & Soft tissue reconstruction of Lower limb
11. Foot reconstruction.
12. Diabetic Foot & its management.

Unit -VI - Hand & Upper Extremity.

1. Anatomy & Biomechanics of upper limb.
2. Examination of Upper Extremity.
3. Anaesthesia in Upper Extremity.

4. General Principles of Hand Surgery.
5. Principles of Skeletal Fixation as applied to wrist & Hand
6. Surgery of nail.
7. Thumb Reconstruction - Conventional, Microvascular & Pollicisation.
8. Flexor Tendon Injuries & Reconstruction.
9. Extensor Tendon Injuries & Reconstruction.
10. Peripheral Nerve Injuries - Repair & Reconstruction.
11. Nerve transfers in Upper limb.
12. Tendon transfers in Upper limb.
13. Adult Brachial Plexus Injury & its management.
14. Obstetrical Brachial Plexus injury & its management.
15. Reimplantation & Revascularisation of Upper extremity.

Unit -VII - Hand & Upper Extremity.

1. Acute management of burn / Electrical injury to the hand.
2. Reconstruction of Post burn deformities of Hand & Upper limb.
3. Delayed reconstruction in Electric Burn Injury of Hand.
4. Management of Hand in Leprosy.
5. Nerve Entrapment Syndromes.
6. Benign & Malignant soft tissue tumors of Hand.
7. Bone tumors of Hand & their management.
8. Lymphoedema of Upper limb.
9. Syndromic & Non Syndromic Syndactyly.
10. Congenital Anomalies of Upper limb & their management.

Unit - VIII - Aesthetic Surgery.

1. Aesthetic surgery of forehead.
2. Aesthetic periorbital surgery.
3. Aesthetic Surgery of Face & Neck.
4. Facial resurfacing techniques.
5. Non surgical facial rejuvenation.
6. Fat grafting.
7. Rhinoplasty.
8. Hair Restoration Techniques.
9. Brachioplasty.
10. Thigh lift.
11. Total body lift after Bariatric Surgery.
12. Laser applications in Aesthetic Surgery.

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Pattern of Question Papers:

1. **Objective Type Paper**
2. **Maximum Marks: 180**
3. **Number of Questions: 180**
4. **Duration of Paper : Three Hours**
5. **All Questions carry equal marks**
6. **Medium of Screening Test: English**
7. **There will be Negative Marking**
(1/3 part of the mark(s) of each question will be deducted for each wrong answer)