

APRIL - 2001

[KD 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch III — Plastic Surgery

(Revised Regulations)

Paper III — PLASTIC SURGERY — APPLIED

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the various surgical methods of treatment of facial palsy. Describe briefly their pros and cons. (25)
2. What is the role of physiotherapy in plastic surgery? (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Blow out fracture
 - (b) V-Y/Y-V plasty
 - (c) Bifid nose
 - (d) Orthognathic surgery
 - (e) Skin substitutes.

NOVEMBER - 2001

[KE 042]

Sub. Code : 1603

M.CH. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY APPLIED

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Describe briefly the development of cleft-lip repair. Discuss in detail Millard's techniques on cleft lip repair. (25)
2. Discuss the clinical features of ulnar claw-hand. Describe in detail its management. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Photography in plastic surgery
 - (b) Ectropion
 - (c) Post Burn contracture of neck
 - (d) Gynaecomastia
 - (e) 'Abbe' flap.

MARCH - 2002

[KG 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — APPLIED

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the pathophysiology of Electrical injuries and its management in a male child of about 10 years of age. (25)
2. Describe the Anatomy of Omentum. What are its different uses in Reconstructive Plastic Surgery. (25)
3. Write brief notes on : (5 × 10 = 50)
 - (a) Groin Flap.
 - (b) Boutonniere Deformity.
 - (c) Bone Lengthening.
 - (d) Speech therapy.
 - (e) Nutritional support in Burn patients.

SEPTEMBER - 2002

[KH 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum 100 marks

Answer ALL questions.

1. Enumerate fluid resuscitation regimens advocated to maintain intravascular volume after severe burn injury. Describe Parkland formula and modified Brooke formula for first two days (25)
2. What are the methods of reconstruction of total loss of lower eyelid? Describe one of them in detail. (25)

3 Write briefly on (5 × 10 = 50)

- (a) Ancient Hindu nasal reconstruction
- (b) Portwine stain
- (c) Opponensplasty
- (d) Wrap around flap
- (e) Dermis fat graft

APRIL - 2004

[KK 042]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

A. Essay :

(2 × 15 = 30)

(1) Describe fasciocutaneous vascular system. Describe Surgical anatomy of temperoparietal fascial and technique of elevating the temperoparietal fascial flap. What are uses of the temperoparietal fascial flap?

(2) Describe problems of closed reduction in orbitozygomatic fractures. How is the state bone fixation achieved? Describe clinical features and management of fracture zygoma.

B. Write short notes on :

(10 × 5 = 50)

- (1) Le Fort (Guerin) fractures.
- (2) Ultrasound assisted suction lipectomy (UAL).
- (3) Nerve conduction velocity (NCV).
- (4) Collagen synthesis and degradation.
- (5) Diagnosis of compartment syndrome.
- (6) Telangiectasia.
- (7) Reconstruction of vagina.
- (8) Management of acidosis in a burn patient.
- (9) Properties of ideal implant material.
- (10) Reduction mammoplasty.

AUGUST - 2004

[KL 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) How will you manage a case of acute avulsion injury of the scalp? Discuss the treatment both at the acute period and late reconstruction.

(2) Classify Jaw tumours. Describe the management of the tumours in middle segment of the lower jaw.

II. Short Notes : (10 × 5 = 50)

(a) Biological skin cover

(b) Micropigmentation

(c) Random pattern flaps

(d) Hypertelorism

(e) Secondary correction of cleft lip and nose

(f) AV malformation

(g) Classify muscle flaps with examples

(h) Silastic implant for microtia

(i) Methods of evaluating the depth of burn injury

(j) Facial nerve palsy.

FEBRUARY - 2005

[KM 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Mention aims that one should keep in mind while making incision (elective) over fingers, palm, dorsum of hand and wrist joint. Describe various elective incisions used for various elective procedures in hand surgery.

(2) Describe the viscoelastic properties of skin and its application in tissue expansion. Describe the principles, clinical application and complication of tissue expansion.

II. Write short notes on : (10 × 5 = 50)

- (a) Dufourmental flap design.
- (b) V-Y plasty applied to release contracture.
- (c) Z-plasty for congenital constriction ring.
- (d) Compression osteosynthesis.
- (e) Pocket (space) for mammary implant.
- (f) Micro-vascular suture technique for end to end anastomosis.
- (g) Harvesting septal cartilage graft.
- (h) Blood flow in veins in distally based radial artery island flap.
- (i) Classification of fascio cutaneous flaps based on the vascular anatomy.
- (j) Neurosensory flaps.

FEBRUARY - 2006

[KO 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

1. What are the various techniques available to reconstruct the mandible? Discuss in detail one vascularized bone graft of your choice. What are the difference between a vascularized bone graft and a free bone graft?

2. Discuss the pathogenesis, staging and management of a sacral pressure ulcer in a paraplegic who is 30 years old.

II. Write short notes on :

(10 × 5 = 50)

- (a) Levator shortening**
 - (b) Claw hand**
 - (c) Functional neck dissection**
 - (d) Alveolar bone grafting**
 - (e) Congenital lymphoedema**
 - (f) Carpal tunnel syndrome**
 - (g) Ganglion**
 - (h) MAGPI procedure**
 - (i) Ring avulsion injuries**
 - (j) Nodovenous shunt.**
-

AUGUST - 2006

[KP 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

Higher Specialities

(Revised Regulations)

Branch III — Plastic Surgery

Paper III — PLASTIC SURGERY – Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

1. Describe the anatomy of the fatty layers of the abdomen. Discuss the principles, equipments, techniques and complications of liposuction. (20)
2. Discuss the clinical features and management of median sternotomy wound. (15)
3. Mention the indications and principles of vaginal reconstruction. Describe one technique of vaginoplasty for congenital vaginal agenesis. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Juri flaps for male pattern baldness
 - (b) Free flaps for breast reconstruction and their blood vessels
 - (c) Asopa II technique of hypospadias repair
 - (d) Medial thighplasty
 - (e) Surgical options in huge gynaecomastia with skin excess
 - (f) The design, blood supply and uses of Transverse Lumbar flap.
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FEBRUARY - 2007

[KQ 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

Higher Specialities

(Revised Regulations)

**Branch III — Plastic Surgery and Reconstructive
Surgery**

Paper III — PLASTIC SURGERY – Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

1. Describe the surgical anatomy of breast and describe the technique of McKeissac breast reduction. (20)
2. Discuss the management of mutilating hand injury. (15)
3. Discuss the principles of Hypospadias and treatment of Hypospadias cripple. (15)

II. Short notes :

(6 × 5 = 30)

1. Micro hair graft.
 2. Dermabrasion.
 3. Serial excision.
 4. Nipple and areola reconstruction.
 5. Fat injection.
 6. Nail graft.
-

[KR 042]

Sub. Code : 1603

M.Ch. DEGREE EXAMINATION.

Higher Specialities

(Revised Regulations)

**Branch III — Plastic Surgery and Reconstructive
Surgery**

Paper III — PLASTIC SURGERY — Applied

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay :

**1. How will you manage a case of Panfacial
Fracture? (20)**

**2. Discuss the development of urethra. Enumerate
methods of single-stage reconstruction of distal penile
hypospadias, their complications and management. (15)**

**3. How will you manage a case of electrical burns?
(15)**

II. Write short notes on :

(6 × 5 = 30)

(a) Prefabricated flaps.

(b) Medial epicanthal fold.

(c) Tourniquet.

(d) Subcondylar fracture mandible.

(e) Sternal wound dehiscence.

(f) Composit graft.

August 2008

[KT 042]

Sub. Code: 1603

M.Ch. DEGREE EXAMINATION

**(Higher Specialities)
(Revised Regulations)**

Branch III – Plastic & Reconstructive Surgery

Paper III – PLASTIC SURGERY - APPLIED

Q.P. Code: 181603

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays: (2 x 20 = 40)

1. Describe the surgical anatomy of facial nerve. Give the clinical features and management of facial palsy (in brief).
2. Discuss thumb reconstruction for amputation through middle of proximal phalanx..

II. Write short notes on: (10 x 6 = 60)

1. Nipple-areola reconstruction.
 2. Tourniquet.
 3. Vomer flap.
 4. Cleft lip nose
 5. Tarsorrhaphy.
 6. Treacher Collins syndrome.
 7. Submucous fibrosis.
 8. Use of Epidural Anaesthesia in plastic surgery.
 9. Breast implants.
 10. Management of cleft palate speech.
-

August 2009

[KV 042]

Sub. Code: 1603

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

(Revised Regulations)

Branch III – Plastic & Reconstructive Surgery

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. 'Z' plasty and its application.
2. Cephalometric analysis and its application.

II. Write short notes on:

(10 x 6 = 60)

1. Fascio cutaneous flap.
2. Sacral pressure sore.
3. Post burns contracture neck.
4. Nasendoscopy.
5. Millard's repair.
6. Myofibroblast.
7. Melanoma.
8. Foot drop correction.
9. F.A.M.M. Flap.
10. Universal precautions.

February 2011

[KY 042]

Sub. Code: 1603

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch III – Plastic & Reconstructive Surgery

(Revised Regulations)

Common to all Candidates

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Describe the surgical anatomy of scalp and management of scalp avulsion.
2. Discuss organization of hand and microsurgical service and its need.

II. Write short notes on:

(10 x 6 = 60)

1. Diabetic foot.
2. Opponensplasty.
3. Ectropion.
4. Brow lift.
5. Dermabrasion.
6. Macroductly of finger.
7. Trochanteric pressure ulcer.
8. Lymphedema.
9. Marjolin's ulcer.
10. Injury to external genitals.

August 2011

[KZ 042]

Sub. Code: 1603

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION
(SUPER SPECIALITIES)**

BRANCH III – PLASTIC & RECONSTRUCTIVE SURGERY

PLASTIC SURGERY - APPLIED

Q.P. Code: 181603

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Classify congenital anomalies of the thumb. How do you manage a congenital flail thumb? | 11 | 35 | 15 |
| 2. What are the considerations in management of Lateral Popliteal nerve injuries? How do you go about providing motor and sensory functions of this nerve? | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Management of nailbed injuries. | 4 | 10 | 7 |
| 2. Avulsion injuries of sole of foot-management principles. | 4 | 10 | 7 |
| 3. Dupuytren's disease clinical evaluation and pitfalls in management. | 4 | 10 | 7 |
| 4. Management of Medial Malleolus level skin loss. | 4 | 10 | 7 |
| 5. Contractures of hand in burns. | 4 | 10 | 7 |
| 6. Oblique amputation of finger tip in injuries - management. | 4 | 10 | 7 |
| 7. Technical points in elevating Anterolateral thigh flap. | 4 | 10 | 7 |
| 8. Functional outcome of replanted forearms and problems encountered. | 4 | 10 | 7 |
| 9. Management of a mitten hand. | 4 | 10 | 7 |
| 10. Approach to a diabetic foot with gangrene. | 4 | 10 | 7 |

[LB 042]

AUGUST 2012

Sub. Code: 1603

M.Ch – PLASTIC & RECONSTRUCTIVE SURGERY

Paper – I PLASTIC SURGERY - APPLIED

Q.P. Code: 181603

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Discuss advantages and disadvantages of the available classification systems for cleft lip and palate. Discuss Millard rotation advancement technique for unilateral cleft lip repair and compare with Mohler technique. Compare Prof Balakrishnan technique with Peter Randall triangular flap method. | 16 | 35 | 15 |
| 2. Discuss general principles of tendon transfers. Discuss management of low median nerve paralysis. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Intrinsic flaps in hand. | 4 | 10 | 7 |
| 2. Describe anatomy of metacarpophalangeal (MCP) joint. Discuss the treatment of stiff MCP joint. | 4 | 10 | 7 |
| 3. Discuss surgical treatment of Parry-Romberg syndrome. | 4 | 10 | 7 |
| 4. Discuss autologous breast reconstruction. Compare pedicle TRAM with latissimus dorsi flap. | 4 | 10 | 7 |
| 5. Describe Fitzpatrick skin type classification. Discuss dermabrasion. | 4 | 10 | 7 |
| 6. Discuss flap reconstruction of distal lower extremity wounds in diabetic patients. | 4 | 10 | 7 |
| 7. Describe anatomy of nasal tip. Discuss nasal tip augmentation. | 4 | 10 | 7 |
| 8. Discuss management of complex abdominal wall defects. | 4 | 10 | 7 |
| 9. Discuss compression neuropathies of the lower extremity. | 4 | 10 | 7 |
| 10. Discuss embryology and management of vaginal agenesis. | 4 | 10 | 7 |

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY
Paper – III PLASTIC SURGERY – APPLIED
Q.P.Code: 181603

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe the methods of reconstruction of Breast following Mastectomy.
2. What are the various techniques available to reconstruct the mandible? Discuss in details on vascularized bone graft of your choice. What are the difference between a vascularized bone graft and a free bone graft?

II. Write notes on:

(10X7=70)

1. Dupuytren's disease.
2. Avulsion injuries of sole of foot-management principles.
3. Classification of facial clefts.
4. Submucous fibrosis.
5. Treacher Collins syndrome.
6. Regional anaesthesia in plastic surgery.
7. Neurosensory flaps.
8. Functions neck dissection.
9. Tattoos.
10. Biogeometry of transposition flaps.

(LE 042)

FEBRUARY 2014

Sub. Code:1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY
Paper – III PLASTIC SURGERY – APPLIED

Q.P.Code: 181603

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe the embryology, incidence and management of hypospadias. Describe one commonly used single stage corrective surgical procedure in detail.
2. Classify Vascular Malformations. Discuss management of low flow vascular malformation.

II. Write Notes on:

(10X7=70)

1. Finger tip injuries.
2. Marjolin's ulcer.
3. Blepharoplasty.
4. Hair transplantation.
5. Opponensplasty.
6. Nipple and areola reconstruction.
7. Le Fort fractures.
8. Reduction mammoplasty.
9. 'Abbe' flap.
10. Management of diabetic foot with gangrene.

M.Ch. – PLASTIC AND RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY—APPLIED

Q. P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. What are the indications and contraindications for replantation?
Describe the sequence of repair and post-operative monitoring for replantation after multiple digital amputations in hand?
2. Enumerate the techniques of Reduction Mammoplasty.
Write in detail about patient selection, markings and operative technique for Inferior pedicle breast reduction.

II. Write notes on:

(10 x 7 = 70)

1. What do you understand by “Osseointegration”?
Describe the procedure of osseointegrated Auricular prosthesis fixation.
2. Burn wound excision techniques.
3. Indications and technique of Mohs micrographic surgery.
4. Management of Poland syndrome in female.
5. Role of orthodontics in cleft lip and palate during infancy.
6. What are the requirements for free functional muscle transfer?
Describe the free functional muscle transfer to flexor aspect of forearm.
7. Classify soft-tissue fillers and write about autologous fillers.
8. What are advantages of open approach in Rhinoplasty?
Write about nasal tip suturing techniques.
9. What are the anatomic causes of Prominent ear?
Write about the Otoplasty techniques for correction of Prominent ear.
10. Exstrophy and Epispadias.

[LH 042]

AUGUST 2015

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Describe various techniques of phallus reconstruction.
2. Discuss the management of brachial plexus injury.

II. Write notes on :

(10 x 7 = 70)

1. Rheumatoid hand.
2. Nipple reconstruction.
3. Sternal dehiscence.
4. Epispadias.
5. Arches of foot.
6. Vaginal atresia.
7. Heal defects.
8. Finger tip injuries.
9. Cleft hand.
10. DIEP flap.

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P.Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify lip defects. Principles in management of lip defects. Describe Abbe Flap in detail.
2. Discuss the classification and management of Post Burn contracture Neck, difficulties involved in Anaesthesia.

II. Write notes on:

(10 x 7 = 70)

1. Depressed Nose.
2. Diabetic foot management.
3. Finger tip Injury – Flap cover.
4. Suture materials in Plastic surgery.
5. Torticollis.
6. Stenson's duct Injury.
7. Macrostomia.
8. Ulnar Claw Hand correction.
9. Submucous Cleft Palate.
10. Types of Skin Grafts.

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P.Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are pressure sores? Describe the causes, prevention and management of pressure sore. Discuss surgical management of trochanteric pressure sore.
2. What are the Zones of Flexor tendon injury? Discuss management of Zone V Flexor tendon injury.

II. Write notes on:

(10 x 7 = 70)

1. Flap delay.
2. Trap door scar.
3. Management of sacral pressure sore.
4. Treacher Collins syndrome.
5. Subcondylar Fracture of mandible.
6. Surgical options for unstable scar over right elbow.
7. Nodo Venous shunt.
8. Defects of Tendo Achilles reconstruction.
9. Ear lobule reconstruction.
10. Tangential excision in Burns.

(LL 042)

AUGUST 2017

Sub. Code:1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P.Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the embryological basis of hypospadias. Discuss any single stage technique of repair of proximal hypospadias.
2. Describe the various techniques of thumb reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. Axillary contracture.
2. Trophic ulcer.
3. Reconstruction of Nipple – Arcola complex.
4. Polydactyly.
5. Augmentation mammoplasty.
6. Nerve transfer in radial nerve palsy.
7. Management of Lymphedema.
8. Replantation.
9. Rectus abdominis flap.
10. Polands syndrome.

(LN 042)

AUGUST 2018

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P.Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss briefly the various techniques of correction of congenital absence of vagina.
2. Classify congenital anomalies of the hand and their embryological basis. Discuss management of camptodactyly.

II. Write notes on:

(10 x 7 = 70)

1. Neurotisation in brachial plexus injuries.
2. Wrist drop.
3. Mastopexy.
4. Principles of chest wall reconstruction.
5. Management of amputated penis.
6. Dupuytren's contracture.
7. Sex reassignment surgery
8. Mallet finger.
9. Propeller flap.
10. Principles of microsurgery.

(LO 042)

FEBRUARY 2019

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss various types of Breast Implants. Discuss Planning, Surgical Approaches and placement of implants for Breast Augmentation and their possible Complications.
2. Describe the embryology of developmental defects in formation of Craniofacial Microsomia. Describe the skeletal and soft tissue defects. Discuss management of Mandible and Oral fissure abnormalities.

II. Write notes on:

(10 x 7 = 70)

1. Steniers lesion.
2. Telecanthus.
3. Pectus Excavatum.
4. Salvage of Replant.
5. Botox injection.
6. Pharyngeal Flaps.
7. Foot Drop.
8. Functional Muscle Transfer.
9. Alveolar Bone Grafting.
10. Fitzpatrick phototyping scale.

(LP 042)

AUGUST 2019

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss various implants used for the Augmentation of Facial Skeleton. Describe the Surgical approaches, procedure and complications.
2. Discuss the various options available for coverage of plantar defects of the foot. Discuss postoperative precautionary methods to prevent re-ulceration after Surgery.

II. Write notes on:

(10 x 7 = 70)

1. Benett fracture.
2. Blepharophimosis.
3. Pulley Reconstruction.
4. Reperfusion injury.
5. Vitiligo.
6. Compartment syndrome.
7. Galeal Flap.
8. Mid third defect of Pinna.
9. Nipple areolar Reconstruction.
10. Tracheo-cutaneous Fistula.

(LQ 042)

FEBRUARY 2020

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Draw the extensor expansion of right mid finger. Outline the functional anatomy extensors of the hand and give details of extensor tendon injury.
2. Give in detail the various methods of post mastectomy Breast Reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. Mention the types of Craniosynostosis.
2. Reanimation of face with lower motor neuron paralysis of (L) facial nerve.
3. Radial club hand.
4. Management of Lower limb Lymphedema.
5. How will you close a circular defect?
6. Right thumb replant.
7. Reduction mammoplasty.
8. Furlow's palatoplasty.
9. Brent's Reconstruction for Microtia.
10. Open rhinoplasty.

(LR 042)

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the clinical features of ulnar claw hand and describe in detail its management.
2. Describe the principles of upper and lower eyelid reconstruction. Discuss the reconstructive methods of total loss of lower eyelid in detail.

II. Write notes on: **(10 x 7 = 70)**

1. Abbe flap
2. Speech therapy
3. Calvarial bone graft.
4. Management of hidradenitis suppurativa
5. Nodovenous shunt
6. Mallets finger
7. Dupuytren's contracture
8. Propeller flap
9. Ear lobule reconstruction
10. Submucous cleft palate

(MCH 0821)

AUGUST 2021

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the vascular anatomy and elevation of free fibula flap. How will you customise it for onco reconstruction of mandible?
2. Describe the pathophysiology of pressure sore. Discuss the management of ischial pressure sore.

II. Write notes on:

(10 x 7 = 70)

1. Congenital short urethra.
2. Sentinel node biopsy.
3. Neo-umbilicoplasty.
4. Boutonnière deformity.
5. Lateral third defect of lower eyelid.
6. Female to male sex reassignment surgeries.
7. Pollicisation.
8. Flexor tenosynovitis.
9. Occipito mental view.
10. Upper limb functional prosthesis.

THE TAMIL NADU DR.MG.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

Paper III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Pathophysiology of nerve healing. Classify nerve injuries. Principles and techniques of nerve reconstruction.
2. a) Biomechanics of a zygomatic fracture.
b) Principles and surgical approach to fixation of fracture zygoma.
c) Complication of zygomatic fractures.

II. Write notes on:

(10 x 7 = 70)

1. Patient controlled analgesia.
2. Gamekeepers thumb and its management.
3. Sternal wound dehiscence.
4. Describe briefly the embryology of ectopia vesicae and its reconstruction.
5. Foot drop.
6. Vaginal atresia.
7. Lymphedema.
8. Trochanteric pressure ulcer.
9. Apert syndrome.
10. Epicanthal folds of eye.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0823)

AUGUST 2023

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe in detail about inferior pedicle breast reduction mammoplasty surgery including principles, marking, patient selection and operative procedure with necessary diagrams.
2. Define Angiosome. Describe the angiosomes and venous drainage of foot. Describe pathogenesis, principles and management of diabetic foot ulcer.

II. Write notes on:

(10 x 7 = 70)

1. Chimeric medial sural artery perforator flap.
2. Wartenberg's syndrome.
3. Reconstruction of Pectus excavatum.
4. Constriction band syndrome of hand.
5. Anatomical considerations and uses of Adipofascial flap in lower leg defect.
6. Reconstruction of vagina.
7. Charles operation in Lymphedema.
8. Discuss about ischial pressure ulcer.
9. Asopa technique for correction of mid-penile hypospadias and its complications.
10. Supercharging of flaps.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1603

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the Surgical anatomy, Clinical signs, Operative procedure and complications of Parasymphseal fracture of the mandible.
2. Discuss the Etiology, Pathogenesis, Classification, Prevention and Operative procedures for Grade III Sacral pressure sore.

II. Write notes on: **(10 x 7 = 70)**

1. Guyon's canal.
2. Post burn contracture of Hand.
3. Camptodactyly.
4. Facial rejuvenation.
5. Craniofacial microsomia.
6. Basal cell carcinoma.
7. Double opposing Z-plasty.
8. Aperts syndrome.
9. Surgical approaches for orbital blowout fracture.
10. Nasolabial flap.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0824)

AUGUST 2024

Sub. Code: 1603

M.Ch. BRANCH III – PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Entrapment Neuropathy in upper limb with special reference to Carpal Tunnel syndrome.
2. How will you evaluate Blepharoptosis? Discuss surgical management depending on varying grades of your evaluation.

II. Write notes on: **(10 x 7 = 70)**

1. Asopa technique for Hypospadias.
2. Modified radical neck dissection.
3. Sternal wound dehiscence.
4. FDP avulsion injuries.
5. Pressure relieving mattresses.
6. Abbe-Estlander flap.
7. Constriction Ring syndrome.
8. Male to female sex reassignment surgeries.
9. Submentovertex view.
10. Foot wear for insensate foot.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1603

M.Ch. BRACH III - PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the causes of pressure sore? What are the principles involved in pressure sore management and describe the surgical management of ischial pressure?
2. Clinical classification of microtia. Describe the two stage Nagata technique of ear reconstruction and early and late complications of the procedure.

II. Write notes on:

(10 x 7 = 70)

1. Nerve gap reconstruction.
2. Opponensplasty.
3. Kite flap.
4. Charcot foot – classification and reconstructive options.
5. Flap prefabrication.
6. Biofilm.
7. Secondary critical ischemia of flaps.
8. Reverse abdominoplasty.
9. Reconstruction in delayed Zone II flexor tendon injury.
10. Facial artery Musculo-mucosal (FAMM) flap.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

(MCH 0825)

AUGUST 2025

Sub. Code: 1603

M.Ch. BRANCH III – PLASTIC & RECONSTRUCTIVE SURGERY

PAPER III – PLASTIC SURGERY – APPLIED

Q.P. Code: 181603

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the indications and contraindications for replantation? Describe the sequence of repair and post-operative monitoring for replantation after multiple digit amputations of hand.
2. Enumerate the techniques of reduction mammoplasty. Write in detail about patient selection, markings and operative technique for superomedial pedicle breast reduction.

II. Write notes on:

(10 x 7 = 70)

1. Vascularised bone flaps.
2. Swan neck deformity.
3. Indications and technique of Mohs micrographic surgery.
4. What are the anatomic causes of prominent ear? Write about the otoplasty techniques for correction of prominent ear.
5. Role of orthodontics in cleft lip and palate during infancy.
6. Johanson stair-step repair in lip reconstruction.
7. Carpal tunnel syndrome.
8. Palatoplasty.
9. Vancouver scar scale.
10. Tuberous breast.
