

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1604

M.Ch. – PLASTIC & RECONSTRUCTIVE SURGERY

**Paper IV – PLASTIC SURGERY AS APPLIED TO ALLIED SCIENCES
AND RECENT ADVANCES IN PLASTIC SURGERY**

Q.P. Code: 181604

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of a 22 year old female patient presenting with lower motor neuron type of 7th nerve palsy less than 2 years duration.
2. Vascular basis for zones of TRAM flap. Advantages and disadvantages of a free DIEP flap versus free TRAM flap. Describe briefly about merits and demerits of different surgical techniques of breast augmentation.

II. Write notes on:

(10 x 7 = 70)

1. Skin substitute.
2. Electrodiagnostic test of peripheral nerve injury.
3. Clinical features and management of acute and chronic rejection in vascularised composite allotransplant of hand.
4. Single stage repair of hypospadias.
5. Venous flap.
6. Ear reconstruction using osseointegrated prosthesis.
7. Robotics in plastic surgery.
8. Hair transplantation.
9. Functional muscle transfer techniques for smile reanimation.
10. Role of hyperbaric oxygen therapy in wound healing.
