

पुस्तिका में पृष्ठों की संख्या-32  
No. of Pages in Booklet -32  
पुस्तिका में प्रश्नों की संख्या-180  
No. of Questions in Booklet -180

**SSAP-22**

Paper Code : 06

**SUBJECT :**  
**Plastic & Reconstructive Surgery**  
(Super Speciality)

समय: 3.00 घण्टे

अधिकतम अंक: 180

Time: 3.00 Hours

Maximum Marks: 180

प्रश्न-पत्र पुस्तिका के पेपर सील/ पॉलिथिन बैग को खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि प्रश्न पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड समान हैं। इसमें कोई भिन्नता हो तो परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। ऐसा सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी।

**On opening the paper seal/ polythene bag of the Question Booklet the candidate should ensure that Question Booklet Number and Barcode of OMR Answer Sheet must be same. If there is any difference, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this.**

### परीक्षार्थियों के लिए निर्देश

1. सभी प्रश्नों के उत्तर दीजिए।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर-पत्रक पर नीले बॉल प्वाइंट पेन से गहरा करना है।
6. **OMR** उत्तर-पत्रक इस परीक्षा पुस्तिका के अन्दर रखा है। जब आपको परीक्षा पुस्तिका खोलने को कहा जाए, तो उत्तर-पत्रक निकाल कर ध्यान से केवल नीले बॉल प्वाइंट पेन से विवरण भरें।
7. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोड़ना गलत उत्तर नहीं माना जायेगा।
8. मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है, तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानी पूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांकों में से काटे जा सकते हैं।
10. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो, तो प्रश्न के हिन्दी तथा अंग्रेजी रूपान्तरों में से अंग्रेजी रूपान्तर मान्य होगा।

**चेतावनी :** अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए विविध नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही विभाग ऐसे अभ्यर्थी को भविष्य में होने वाली विभाग की समस्त परीक्षाओं से विवर्जित कर सकता है।

### INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using **BLUE BALL POINT PEN**.
6. The **OMR** Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with **blue ball point pen** only.
7. **1/3 part of the mark(s) of each question will be deducted for each wrong answer.** A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. **5 Marks** can be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature, then out of Hindi and English Version of the question, the English Version will be treated as standard.

**Warning :** If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

**इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।**  
**Do not open this Test Booklet until you are asked to do so.**

1. In a patient requesting breast augmentation asks the incidence of capsular contracture in the submuscular versus subglandular position, your response is -
  - (1) that there is no difference
  - (2) subglandular position has a reduced incidence
  - (3) submuscular position has a reduced incidence
  - (4) no difference if the textured implant is used
2. The duration of action of a local anaesthetic agent depends on -
  - (1) its lipid solubility
  - (2) its protein binding capacity
  - (3) its pKa
  - (4) its pH
3. All are true for inverted 'T' Breast Reduction techniques, except -
  - (1) it is straightforward and reproducible
  - (2) skin incisions correspond to the glandular incisions
  - (3) significant amount of intra-operative adjustment is required in removing and reshaping breast tissue
  - (4) has predictability and reliability
4. All statements regarding capsular contracture are correct, except -
  - (1) using a smooth implant and retro-pectoral pocket results in greater capsular contracture.
  - (2) residual haematoma / seroma may contribute to capsule formation.
  - (3) Polyurethane implants have reduced capsular contractures.
  - (4) a no touch technique should provide less bacterial growth.
5. In the process of breast implant selection, the following are important, except -
  - (1) Soft tissue quality
  - (2) Bra and cup size
  - (3) Implant volume
  - (4) Implant type
6. What is the benefit of selecting smaller diameter cannula for traditional suction assisted liposuction?
  - (1) Reduce vessel damage
  - (2) Achieve even fat removal
  - (3) Allow better control of instrument
  - (4) Accelerate process of fat removal

7. Contractures of the intrinsic muscles of the hand may be caused by which of the following?
- (1) Burns
  - (2) Trauma
  - (3) Inflammation
  - (4) Degenerative joint changes
8. For contour replacement of perineal surface defect, the most preferred flap choice is -
- (1) Gracilis musculocutaneous flap
  - (2) Posterior thigh fasciocutaneous flap
  - (3) Tensor fascia lata flap
  - (4) Inferiorly based rectus abdominis flap
9. Which one of the following conditions would be more challenging for the orthodontist?
- (1) Complete unilateral cleft lip
  - (2) Complete unilateral cleft lip & palate
  - (3) Bilateral complete cleft lip
  - (4) Bilateral complete cleft lip & palate
10. When a free flap is failing due to venous or arterial thrombosis -
- (1) administer IV Heparin and wait
  - (2) do not re-explore as salvage rate is low
  - (3) re-explore the next day
  - (4) attempt at the removal of the entire propagated clot is necessary
11. The only plastic surgeon to win a Nobel Prize in Medicine is -
- (1) Harold Gillies
  - (2) Joseph Edward Murray
  - (3) Joseph McCarthy
  - (4) Mathes
12. Which one of the following should be used for large cranioplasty defect?
- (1) Calvarial bone
  - (2) Rib split grafts
  - (3) Iliac crest
  - (4) Tibia

13. Which of the following area is best site for harvesting a cranial bone graft?
- (1) Parietal
  - (2) Frontal
  - (3) Occipital
  - (4) Temporal
14. In a case having burn contractures of the axilla, elbow and wrist, which one should be released first?
- (1) Axilla
  - (2) Elbow
  - (3) Wrist
  - (4) Elbow and Wrist
15. The interscalene block is better suited for surgery of which one of the following region?
- (1) Hand surgery
  - (2) Forearm surgery
  - (3) Shoulder surgery
  - (4) Ulnar fingers and Ulnar border of hands
16. Which one of the following structure usually escapes damage in ring avulsion injuries of the ring finger?
- (1) Skin and subcutaneous tissue
  - (2) Digital vessels
  - (3) Digital nerves
  - (4) Flexor tendon
17. In case of an electrical burn injury to the upper extremity all statements are true, except -
- (1) Initial evaluation reveals only a tip of the iceberg.
  - (2) Extensive & deep fasciotomy is indicated for tense and oedematous upper limb.
  - (3) Escharotomy alone suffices.
  - (4) The median nerve usually sustains greater loss in these injuries.
18. When planning body contouring after massive weight loss, which one of the following area is commonly targeted first?
- (1) Breast
  - (2) Arms
  - (3) Trunk
  - (4) Medial thighs

19. To prevent microvascular anastomosis occlusion in a standard microsurgical case you should -
- (1) keep the operating theatre temperature high
  - (2) make sure both vessels are of same calibre
  - (3) make sure there is no intimal damage in either vessels
  - (4) inject a bolus of heparin before putting the clamp on the vessels
20. Which of the following vessel is preferred as a recipient vessel for a free DIEP flap in delayed breast reconstruction?
- (1) Thoracodorsal vessels
  - (2) Thoracoacromial vessels
  - (3) Internal mammary vessels
  - (4) Intercostal vessels
21. In eyelid reconstruction, all are true, except -
- (1) vertical incisions are preferred over transverse incisions commonly
  - (2) debridement of non-viable tissue should proceed
  - (3) alignment of all layers must be achieved while approximating lid margin
  - (4) suture material and knots should avoid direct contact with cornea and globe
22. "Lingine Sign" on Magnetic Resonance Imaging in a case of Augmentation Mammoplasty with implants is suggestive of -
- (1) Capsular contraction
  - (2) Implant rupture
  - (3) Implant malposition
  - (4) Unfavourable shape
23. All of the following are indication of the negative pressure wound therapy, except -
- (1) Ischemic ulcer
  - (2) Venous ulcer
  - (3) Abdominal wound
  - (4) Lymphatic leaks
24. The number of zones to classify extensor tendon injury are -
- (1) 5
  - (2) 7
  - (3) 9
  - (4) 11

25. Frankfurt plane is plane between which of the following points?
- (1) ANS and PNS
  - (2) Menton and Gonion
  - (3) Porion and Orbitale
  - (4) PNS and Menton
26. All statements are true for one stage hypospadias repairs, except -
- (1) They are preferred over multiple stage procedures.
  - (2) Reduce hospitalisation.
  - (3) Minimize physical and mental trauma.
  - (4) They are an easier way to repair hypospadias.
27. Which one of the following is a clear advantage of subglandular placement of breast implant over submuscular placement of implant?
- (1) Reduced incidence of capsular contracture
  - (2) Less degree of rippling with saline implants
  - (3) Preferred in SSM for reconstruction
  - (4) More natural appearance of the breast
28. Human bite in hand commonly occurs in -
- (1) Zone III of Extensor tendon system
  - (2) Zone IV of Extensor tendon system
  - (3) Zone V of Extensor tendon system
  - (4) Zone VI of Extensor tendon system
29. Incomplete cleft lip is usually the result of failure of fusion of -
- (1) Medial nasal process and Lateral nasal process
  - (2) Maxillary process and Medial nasal process
  - (3) Medial nasal process and Medial nasal process
  - (4) None of the above
30. Liposuction should be avoided in which area?
- (1) Lateral side of arm
  - (2) Medial side of arm
  - (3) Posterior side of arm
  - (4) Anterior side of arm

31. The ability to flex metacarpophalangeal joints with the interphalangeal joints extended actively is -
- (1) Intrinsic minus posture
  - (2) Intrinsic plus posture
  - (3) Extrinsic flexor function
  - (4) Extrinsic extensor function
32. In immediate breast reconstruction with free Transverse Rectus Abdominis flap, the recipient vessel of choice currently is -
- (1) Internal mammary vessels
  - (2) Thoracoacromial vessels
  - (3) Thoracodorsal vessels
  - (4) Intercostal vessels
33. The advantages of full thickness graft technique over McIndoe technique for vaginoplasty include all, except -
- (1) Stenting and care is usually required for long periods post operatively.
  - (2) Vaginal tract once formed does not contract.
  - (3) Bilateral inguinal donor sites are more aesthetically acceptable.
  - (4) Permits correction at an earlier age.
34. Of the following, which is the most resistant to secondary correction in Orbital fractures?
- (1) Lower eyelid retraction
  - (2) Enophthalmos
  - (3) Persistent diplopia
  - (4) Malunion
35. Transverse fibres of the palmar fascia concentrate in the -
- (1) Proximal part at the wrist
  - (2) Midpalmar and web spaces
  - (3) Eight compartments for the flexor tendons
  - (4) Distal interphalangeal joints
36. The advantages of CO<sub>2</sub> laser include all, except -
- (1) more tissue contraction
  - (2) excellent hemostasis
  - (3) long lasting results
  - (4) prolonged post-operative course

37. Immunologic tolerance refers to -
- (1) State of immunologic acceptance or unresponsiveness of the recipient to the donor allograft or xenograft
  - (2) The mechanism has only a single component
  - (3) Thyroid plays a major role in the process
  - (4) Thymus has no role in the process
38. The bony deformity of the orbit in Treacher Collins Syndrome is due to involvement of which one of the following bones?
- (1) Frontal
  - (2) Maxilla
  - (3) Ethmoid
  - (4) Zygoma
39. Standard Brachioplasty involves -
- (1) Removal of excess skin close to the armpit
  - (2) Complete removal of excess skin from armpit to elbow
  - (3) Removal of excess arm skin and loose skin and fatty tissue along the side of chest wall just under the arm
  - (4) Scars limited to underarm areas
40. Separating parcels of fat in structural fat grafting placement allows for all, except -
- (1) greater contact with source of nutrition and respiration, hence improved survival
  - (2) better stabilizes the placed fat to deter migration
  - (3) integrating the transplanted fat into host tissue
  - (4) fell of discrete collections of fatty tissue
41. The distance to eliminate shadows in Medical Photography is -
- (1) to place patient 4 feet in front of background
  - (2) to place patient 3 feet in front of background
  - (3) to place patient 2 feet in front of background
  - (4) to place patient a foot in front of background
42. Which of the following flap is preferred for sacral pressure sore?
- (1) TFL flap
  - (2) Gluteus maximus flap
  - (3) Posterior thigh flap
  - (4) Vastus lateralis muscle flap



43. Nerve least commonly damaged in orthognathic surgery -
- (1) Infraorbital
  - (2) Inferior Alveolar
  - (3) Marginal Mandibular Nerve
  - (4) Mental Nerve
44. Approaches to the temporomandibular joint include all, except -
- (1) Endaural approach
  - (2) Hind's retromandibular approach
  - (3) Alkayat-Bramley preauricular incision
  - (4) Gillies temporal approach
45. Histologic changes after laser resurfacing include all, except -
- (1) Angiogenesis
  - (2) Loss of melanocyte function
  - (3) Neo collagen formation
  - (4) Dermal elastic fibre regeneration
46. Tendon repair is generally not needed when there is -
- (1) less than 25% of tendon substance is injured
  - (2) more than 25% but less than 50% of tendon substance is injured
  - (3) more than 50% of tendon substance is injured
  - (4) repair should always be carried out irrespective of tendon injury percent
47. The most critical agent in Baker Gordon formula for phenol peels is -
- (1) Liquid phenol
  - (2) Liquid soap
  - (3) Croton oil
  - (4) Tap water
48. All of the following are autonomous areas of sensory innervation on the hand, except -
- (1) Index finger tip
  - (2) Little finger tip
  - (3) Dorsal side of first web space
  - (4) Palmar aspect of third web space

49. The face consists of several paired and one unpaired muscle, the orbicularis oris. The number of paired muscles in which one of the following?
- (1) 13
  - (2) 15
  - (3) 17
  - (4) 19
50. Which one of the following tendon may have an additional muscle belly under the extensor retinaculum?
- (1) Extensor digitorum longus
  - (2) Extensor pollicis longus
  - (3) Extensor indicis
  - (4) Extensor carpi radialis longus
51. In an autologous Latissimus dorsi flap post mastectomy, the tunnel through which the flap should pass -
- (1) should be placed low in the axilla.
  - (2) should be placed high in the axilla.
  - (3) should be placed in the mid-axilla.
  - (4) placement of the tunnel does not affect the aesthetics of the reconstruction.
52. A 2-year-old girl has congenital absence of the thumb at the level of the proximal metacarpal. Which of the following is the most appropriate reconstructive procedures?
- (1) Great toe to thumb transfer
  - (2) Second toe to thumb transfer
  - (3) Pollicization of the index finger
  - (4) Distraction lengthening of the first metacarpal
53. Ptosis of the breast is commonly classified on the basis of position of the nipple in relation to which one of the following?
- (1) Mid-arm level
  - (2) Level of the inframammary crease
  - (3) At the level of 7<sup>th</sup> rib
  - (4) At the level of 8<sup>th</sup> rib
54. Which one of the following flaps could be used for pharyngo-oesophageal reconstruction?
- (1) Radial forearm flap
  - (2) Pectoralis major myocutaneous flap
  - (3) Jejunal flap
  - (4) All of the above

55. Pierre Robin syndrome is associated with -
- (1) Cleft lip with mandibular hypoplasia
  - (2) Cleft palate with mandibular hypoplasia and respiratory obstruction
  - (3) Cleft palate with syndactyly
  - (4) Cleft lip
56. Which one of the following attitudes is not a feature of Erb's Palsy?
- (1) Shoulder adduction
  - (2) Arm internal rotation
  - (3) Elbow extension
  - (4) Forearm pronation
57. True for use of microvascular gracilis muscle transfer in facial palsy reconstruction, except -
- (1) incision is not readily seen
  - (2) there is no functional problem when it is removed
  - (3) distant from the facial site, so two teams can work simultaneously
  - (4) not easily expendable
58. Which type of graft should be used for widening an air passage and improving the competency of the Nasal valve?
- (1) Strut graft
  - (2) Spreader graft
  - (3) Shield graft
  - (4) Sheen graft
59. All can be the features of Poland syndrome, except -
- (1) Unilateral chest wall hypoplasia
  - (2) Ipsilateral hand abnormalities
  - (3) Athelia
  - (4) Incidence 1:2,500 live births
60. The tragus and concha receive their nerve supply from which one of the following nerve?
- (1) Great auricular nerve
  - (2) Lesser occipital nerve
  - (3) Auriculotemporal nerve
  - (4) Auricular branch of vagus nerve

61. Tessier Cleft No. 30 is a cleft affecting the -
- (1) Nose
  - (2) Upper lip
  - (3) Lower lip
  - (4) Lateral canthus
62. Acids and alkalis cause necrosis of the tissues. Which one of the mechanism of action of acids?
- (1) Coagulation necrosis
  - (2) Liquefaction necrosis
  - (3) Thermal necrosis
  - (4) Cell lysis
63. The following are recognised fixation methods for endoscopic brow lift, except -
- (1) Endotine absorbable devices
  - (2) Reconstruction plates
  - (3) Cortical bone tunnels
  - (4) Tissue adhesives
64. All are true for tinea unguium, except -
- (1) Nail appears thickened and discoloured.
  - (2) Common causative organisms implicated are *Trichophyton rubrum* and *Candida albicans*.
  - (3) It is clinically possible to differentiate the causative agents in these cases.
  - (4) Removal of nail plate improves the response to antifungal therapy.
65. SMAS plication has all the advantages, except -
- (1) Simple in design and less time consuming
  - (2) Can be modified to suit different facial shapes
  - (3) Buccal branches of facial nerve can be injured with deep placement of sutures
  - (4) Provides malar augmentation with more efficient effect on jowls
66. The forked flap used in repair of Bilateral clefts takes donor tissue from which of the following structure?
- (1) Nasal mucosa
  - (2) Prolabial skin
  - (3) Prolabial vermilion
  - (4) Columella

67. Hard Tissue Replacement (HTR) polymer is -
- (1) a resorbable biocompatible composite of PMMA beads fused with PEMA coated with calcium hydroxide
  - (2) a non-resorbable biocompatible composite of PMMA beads fused with PEMA coated with calcium hydroxide
  - (3) does not have remarkable strength due to its extensive porosity
  - (4) is non-porous & resorbable
68. A 2-year-old boy has a bifid uvula and notching of the posterior nasal spine. Which of the following additional physical findings is likely?
- (1) Anterior nasal spine
  - (2) Alveolar cleft
  - (3) Choanal atresia
  - (4) Zona pellucida
69. Zones of Adherence (ZOA) in liposuction that should be avoided to decrease the risk of contour irregularities include all, except -
- (1) Gluteal crease
  - (2) Distal posterior thigh
  - (3) Mid medial thigh
  - (4) Mid lateral thigh
70. The most useful diagnostic imaging study in the diagnosis of parotid tumors is the -
- (1) Sialogram
  - (2) Nuclear scan
  - (3) C.T. scan
  - (4) MRI
71. Which one of the following method will give good long term results in treatment of Dupuytren's disease?
- (1) Steroid injection
  - (2) Enzymatic fasciotomy
  - (3) Fasciotomy
  - (4) Fasciectomy
72. The most common syndrome associated with cleft lip and palate is -
- (1) Van der Woude syndrome
  - (2) DiGeorge syndrome
  - (3) Parkes-Weber syndrome
  - (4) Pfeiffer syndrome

73. The follicular stem and bulb in FUE is located in -
- (1) Epidermis
  - (2) Superficial dermis
  - (3) Deep dermis
  - (4) Subcutaneous tissue
74. Best reconstructive option for >75%, full thickness defect in zone 2 of periorbital area is -
- (1) Tenzel semicircular flap
  - (2) Tripier flap
  - (3) Cutler-Beard bridge flap
  - (4) Cheek advancement flap
75. Which one of the following is true regarding Furlow's double opposing Z-plasty?
- (1) The levator muscle is included in the anteriorly based flap
  - (2) Z-plasty is performed on the oral surface
  - (3) The levator muscle is included in the posteriorly based flap
  - (4) The levator muscle is not dissected
76. Haemangiomas are -
- (1) Hamartomas that are rarely visible at birth
  - (2) have normal endothelial growth and normal mast cell counts
  - (3) do not undergo spontaneous involution
  - (4) do not respond to steroids and propranolol
77. Premature closure of the Metopic suture results in -
- (1) Trigonocephaly
  - (2) Scaphocephaly
  - (3) Turribrachycephaly
  - (4) Plagiocephaly
78. In 'safe' or 'protective' position of hand immobilization, the metacarpophalangeal joints are in flexion -
- (1) to prevent volar plate shortening
  - (2) to prevent shortening of flexor tendons
  - (3) to prevent shortening of collateral ligaments
  - (4) tenodesis effect

79. All of the following are ocular anomalies associated with hemangiomas, except -
- (1) Optic nerve hyperplasia
  - (2) Microphthalmos
  - (3) Coloboma
  - (4) Cataract
80. In the management of a lymphoedematous limb following rules should be adhered to by the physician, except -
- (1) do not permit blood withdrawal or injections in the affected limb
  - (2) avoid blood pressure recordings on the affected limb
  - (3) do not permit biopsies or lymph node removal without therapeutic indication
  - (4) pressure type massage on the affected extremity can be done
81. In cleft palate -
- (1) Palatal movements are normal
  - (2) Palatal muscles have normal origin and abnormal insertion
  - (3) Origin and insertion of palatal muscles is normal
  - (4) Some palatal muscles are normally inserted & some are abnormally inserted
82. Treacher-Collins syndrome consists of all, except -
- (1) Malar hypoplasia
  - (2) Cleft palate
  - (3) Micrognathia
  - (4) Antimongoloid palpebral fissures
83. Most commonly used laser to treat port-wine stain -
- (1) Pulsed dye laser
  - (2) Nd. YAG laser
  - (3) Diode laser
  - (4) Q-switched ruby laser
84. T3 N3 M0 Squamous cell carcinoma of the alveolus of the mandibular symphysis may need the following, except -
- (1) Free fibula osteocutaneous flap
  - (2) Bilateral modified radical neck dissection
  - (3) Post-operative radiotherapy
  - (4) Marginal mandibulectomy

85. A 42-year-old woman has a pigmented lesion on the index finger. Biopsy of the lesion shows a subungual melanoma. Which of the following is the most appropriate management?
- (1) Ablation of the nailbed and matrix resurfacing with the SSG
  - (2) Amputation at the DIP joint
  - (3) Amputation at the PIP joint
  - (4) Ray amputation
86. Clinodactyly is characterised by all, except -
- (1) Curving of digits in a radial or ulnar direction
  - (2) Little finger is uncommonly involved
  - (3) A curvature of more than 10 degrees is considered abnormal
  - (4) Operative intervention is seldom required
87. Following tissue expansion the -
- (1) Epidermis becomes thinner
  - (2) Collagen bundles becomes thinner
  - (3) Expanded skin becomes hypervascular
  - (4) Elastic fibres remain unchanged
88. Tests of auditory function in a child diagnosed as suffering from Treacher-Collins syndrome indicate a hearing loss. Which of the following structures normally develops with the first branchial arch that could have been malformed to cause this hearing loss -
- (1) Auditory tube
  - (2) Stapes
  - (3) Vestibulocochlear nerve
  - (4) Malleus and Incus
89. The normal flexion-extension are of proximal interphalangeal joints of digits is about -
- (1) 10 degrees
  - (2) 90 degrees
  - (3) 60 degrees
  - (4) 110 degrees
90. All the following are potential signs of systemic toxic reaction to phenol, except -
- (1) Tremors
  - (2) Hepatic failure
  - (3) Hyperreflexia
  - (4) Cardiac arrhythmias



91. The functional integrity of the radial, median and ulnar nerve can be assessed by testing the movement of which of the following digit?
- (1) Thumb
  - (2) Index finger
  - (3) Middle finger
  - (4) Ring finger
92. Buried dermal flap procedure for treatment of lymphoedema was popularized by which one of the following?
- (1) Humans and Miller
  - (2) Thompson
  - (3) Kondolean
  - (4) Charles
93. Routine preoperative measures before surgical correction of a pressure sore include all of the following, except -
- (1) Correction of nutritional status
  - (2) Correction of anaemia
  - (3) Ablation of spasm medically or surgically
  - (4) A bone scan to rule out osteomyelitis
94. True about Tessier classification all, except -
- (1) Numbered from 0-14
  - (2) Orbit separate the facial cleft from cranial cleft
  - (3) Facial cleft numbered from 0-7 from medial to lateral
  - (4) Cranial cleft numbered from 8-14 from medial to lateral
95. Which one of the following represents the cut off limit of external pressure beyond which tissue perfusion would be impaired?
- (1) 10 mm of Hg
  - (2) 20 mm of Hg
  - (3) 25-30 mm of Hg
  - (4) 30-35 mm of Hg
96. Which of the following muscles remains functional in posterior interosseous nerve palsy?
- (1) ECRL
  - (2) Supinator
  - (3) Abductor pollicis longus
  - (4) Extensor pollicis longus

97. Escharotomy is -
- (1) a fasciotomy
  - (2) should go through eschar only
  - (3) should go through eschar and fascia
  - (4) eschar excision
98. The most aggressive type of Basal cell carcinoma is -
- (1) Pigmented
  - (2) Nodular
  - (3) Superficial
  - (4) Morpheaform
99. Repair of a flexor tendon with in the flexor tendon sheath -
- (1) Is no different from repair out of the sheath
  - (2) Sutures be placed evenly throughout the tendon
  - (3) Requires both a core and a peripheral suture
  - (4) Bunnell stitch as a core suture
100. Which one of the following syndromes is associated with Gynecomastia?
- (1) Turner syndrome
  - (2) Klinefelter's syndrome
  - (3) Down syndrome
  - (4) Apert's syndrome
101. Concerning Anticoagulation -
- (1) Heparin decreases the efficacy of Antithrombin III
  - (2) Dextran is a polysaccharide
  - (3) The aspirin is reversible at the molecular level
  - (4) Dextran imparts a positive charge to platelets
102. Breast reduction technique preserving the Nipple Areola complex sensitivity is -
- (1) the superior pedicle
  - (2) Lateral pedicle
  - (3) Wuringer's septum based technique
  - (4) Inferior pedicle

103. In type III chordee -
- (1) No structure is formed around the urethra
  - (2) Corpus spongiosum forms but Buck's fascia and Dartos fascia do not differentiate
  - (3) Corpus spongiosum does not form; Buck's fascia is formed
  - (4) Corpus spongiosum and Buck's fascia forms but Dartos fascia does not
104. Pedicled transfer of a previously damaged or amputated digit to lengthen a partial or distal thumb amputation is termed as -
- (1) Pollicization
  - (2) On-top plasty
  - (3) Palmar advancement
  - (4) Wraparound
105. All statements for Boutonniere deformity are true, except -
- (1) It refers to distal interphalangeal joint flexion and proximal interphalangeal joint hyperextension.
  - (2) It refers to distal interphalangeal joint hyperextension and proximal interphalangeal joint flexion.
  - (3) There is disruption of central extensor slip from the base of the middle phalanx.
  - (4) Surgical correction of this deformity is extremely difficult.
106. Burns of the upper extremity that should not be treated as outpatients include all, except -
- (1) Second degree burn of only one extremity
  - (2) Small area of third degree burn involving both extremities that are incapacitating
  - (3) Large burns other than those of the upper extremity
  - (4) The very aged, the very young and those without help at home
107. Which one of the following is an absolute contraindication to endoscopic reduction and rigid fixation of mandible condyle fractures?
- (1) Child younger than 12 years
  - (2) Comminuted fracture
  - (3) Intercondylar fracture
  - (4) Medial override of the proximal fragment
108. In Romberg disease, which one of the following statement is correct?
- (1) There is non-progressive hemifacial atrophy.
  - (2) The active phase is characterised by involution or wasting away of muscle only.
  - (3) Treatment is generally deferred until the disease "burns out".
  - (4) There is no wasting of skin and subcutaneous tissue.

109. Which one of the following types of nerve injury is associated with an advancing Tinel's sign?
- (1) Neuropraxia
  - (2) Axonotmesis
  - (3) Neurotmesis
  - (4) Neuroma in continuity
110. The end point for dermabrasion technique is -
- (1) appearance of pink surface
  - (2) fine punctate bleeding
  - (3) increased bleeding from punctate area & rougher surface
  - (4) frank, uncontrolled oozing of blood from surface
111. In a case of abdominoplasty, chemoprophylaxis for venous thromboembolism needs to be considered with caprini score of -
- (1) 2
  - (2) 3 - 4
  - (3) 5 - 8
  - (4) > 8
112. The point at which the palate contacts the pharyngeal wall during speech in the normal subject is-
- (1) below passavant's ridge
  - (2) at passavant's ridge
  - (3) above passavant's ridge
  - (4) anterior to passavant's ridge
113. Which one of the following is the procedure of choice for treatment of epicanthal folds?
- (1) W - Plasty
  - (2) V-W Epicanthoplasty
  - (3) Z - Plasty
  - (4) W-V Epicanthoplasty
114. Dupuytren's disease affects the palm. It commonly involves which one of the following finger?
- (1) Thumb
  - (2) Index
  - (3) Middle
  - (4) Ring finger

115. Which one of the following tendon is not transferred during the great toe transfer?
- (1) Extensor hallucis longus
  - (2) Flexor hallucis longus
  - (3) Extensor hallucis brevis
  - (4) Flexor hallucis brevis
116. Bone defects of chest wall skeleton that are more than 5 cm -
- (1) need rigid reconstruction of skeleton for structural stability
  - (2) do not require rigid reconstruction for structural stability
  - (3) only soft tissue reconstruction with autologous muscle or musculocutaneous flap can provide structure stability
  - (4) Prosthetic material is not used
117. Reasonable indications for capsulectomy after Augmentation Mammoplasty includes all, except -
- (1) Calcified capsule
  - (2) Baker grades III and IV
  - (3) Intact uninfected implant
  - (4) Implant placement in another location
118. When the levator excursion is less than 5 mm in a case of ptosis  $> 5$  mm, it is labelled as -
- (1) mild
  - (2) intermediate
  - (3) moderate
  - (4) severe
119. Appropriate hand splinting in a case of hand burn is -
- (1) wrist in flexion, metacarpophalangeal joints in 70 degree flexion and interphalangeal joints in extension.
  - (2) wrist in 30 degree extension, metacarpophalangeal joints in 90 degree flexion and interphalangeal joints in extension.
  - (3) wrist in extension, metacarpophalangeal joints in extension and interphalangeal joints in flexion.
  - (4) wrist in 30 degree extension, metacarpophalangeal joints in 70 degree flexion, interphalangeal joints in extension.

120. Advantages of Distraction Osteogenesis of midface in craniosynostosis include all, except -
- (1) greater advancement up to 20 mm or more
  - (2) absence of need for bone grafts
  - (3) prolonged time needed for distraction and consolidation
  - (4) less blood loss and shorter operative time at the initial procedure
121. Which is less important in the final result of a traumatic wound repair?
- (1) Degree of crush
  - (2) Contusion
  - (3) Vascular compromise
  - (4) Wound configuration
122. Current principles of syndactyly correction include all, except -
- (1) Zig-zag skin incisions
  - (2) Creation and lining of commissure by dorsal and palmar flap tissue and use of skin grafts
  - (3) Meticulous surgical technique
  - (4) Operation of all digits at a time in an older child
123. Which of the following procedure for fingertip injury reconstruction is associated with the smallest two point discrimination distances?
- (1) SSG
  - (2) Thenar flap
  - (3) Volar V-Y advancement flap
  - (4) Cross finger flap
124. Which one of the following statements is true regarding osseous genioplasty?
- (1) Malocclusion can be corrected.
  - (2) A large vertical excess of the mandible is best corrected with a jumping genioplasty.
  - (3) Soft tissue movement parallels skeletal changes predictably.
  - (4) Complex deficiencies are better treated by prosthetic augmentation.
125. Excision of a ganglion on the dorsum of the wrist may lead to the development of a neuroma in relation to which one of the following nerve?
- (1) Median N
  - (2) Ulnar N
  - (3) Radial N
  - (4) Posterior Interosseous N

126. Which of the following flaps is the most suitable option in thick skin zones of nasal tip and alar defects up to 1.5 cm?
- (1) Banner flap
  - (2) Bilobed flap
  - (3) Superiorly based nasolabial flap
  - (4) Forehead flap
127. "Bunnell's no man's land" corresponds to -
- (1) Flexor tendon zone I
  - (2) Flexor tendon zone II
  - (3) Flexor tendon zone III
  - (4) Flexor tendon zone IV
128. A road traffic accident victim presents with an open fracture of leg, a wound more than 10 cm, inadequate soft tissue with periosteal stripping and bone exposure will be categorised as -
- (1) Gustilo II
  - (2) Gustilo III A
  - (3) Gustilo III B
  - (4) Gustilo III C
129. Obstetrical Brachial plexus injury frequently involves -
- (1) Upper plexus C<sub>5</sub> C<sub>6</sub> and C<sub>7</sub>
  - (2) C<sub>8</sub> T<sub>1</sub>
  - (3) All cervical roots
  - (4) Only C<sub>5</sub>
130. A large defect on the dorsum of foot with exposed bare extensor tendons is best reconstructed by -
- (1) Split skin grafts
  - (2) Full thickness skin grafts
  - (3) Superficial temporoparietal fascia free flap and SSG
  - (4) Latissimus dorsi muscle flap with split skin graft
131. Otitis media with effusion in a case of cleft palate is attributed to -
- (1) Eustachian tube dysfunction
  - (2) Altered inner ear anatomy
  - (3) Presence of grommets
  - (4) Proper insertion of Tensor veli palatini muscle

132. All statements are true for post-operative complication of skin slough in face-lift, except -
- (1) most common site is retroauricular region
  - (2) scarring is less formidable
  - (3) incidence is 1% to 3%
  - (4) treatment is surgical
133. Singapore flap is used for -
- (1) Penile reconstruction
  - (2) Scrotal reconstruction
  - (3) Vaginal reconstruction
  - (4) Vesicovaginal fistula
134. Patients of frost bite should be treated initially by which of the following?
- (1) Slow thawing
  - (2) Rapid rewarming
  - (3) Manual debridement of the blisters
  - (4) Topical agents
135. Autologous breast reconstruction is not possible with -
- (1) a pedicled TRAM flap
  - (2) a free TRAM flap
  - (3) a pedicled DIEP flap
  - (4) a pedicled latissimus dorsi myocutaneous flap
136. Which of the following is the best guide for umbilicus placement during abdominoplasty?
- (1) 14 cm above the pubis in the midline
  - (2) 14 cm below the xiphoid
  - (3) At the intersection of a line connecting the anterior superior iliac spine with midline
  - (4) At the intersection of a line connecting the highest point of the iliac crest with the midline
137. If a patient has normal sensation in the little finger and motor weakness of the ulnar nerve, what is he likely to be suffering from?
- (1) Ulnar N. compression at the elbow
  - (2) A lipoma/tumor in the palm
  - (3) Ulnar nerve compression in the Guyon's canal
  - (4) Vascular injury



138. LeFort who proposed the widely accepted classification of mid facial fractures was which one of the following?
- (1) Plastic surgeon
  - (2) Maxillofacial surgeon
  - (3) ENT surgeon
  - (4) Orthopaedic surgeon
139. In order to achieve a bloodless field, tourniquet pressure in hand surgery -
- (1) must be the same as systolic blood pressure
  - (2) must exceed systolic blood pressure by 20 mm Hg
  - (3) must exceed systolic blood pressure by 100 mm Hg
  - (4) must exceed only diastolic blood pressure
140. Which of the following best characterizes the deformity seen in tuberous breast?
- (1) Has an elongated base and deficient breast tissue
  - (2) Has a constricted base and a large nipple areola complex
  - (3) Deficient vertically but is adequate horizontally
  - (4) Deficient horizontally but is adequate vertically
141. The commonest site for squamous cell carcinoma of the lip is -
- (1) upper lip
  - (2) lower lip
  - (3) oral commissure
  - (4) upper gingivobuccal sulcus
142. One parent and one previous baby child having cleft palate, what is the probability of baby having cleft palate next pregnancy?
- (1) 6%
  - (2) 10%
  - (3) 15%
  - (4) 17%
143. One of the most consistent findings in Apert syndrome is -
- (1) Unicoronal synostosis
  - (2) Complex syndactyly
  - (3) Normal midface growth
  - (4) Telecanthus
144. The most effective procedure for closure of an ischial pressure sore is -
- (1) Direct closure
  - (2) TFL flap
  - (3) Gluteal thigh flap
  - (4) Gluteus maximus island flap

145. Precise localisation of nerve injury and its nature can be established by -
- (1) Electrodiagnostic studies, nerve conduction studies and Electromyography
  - (2) Clinical examination and Nerve conduction studies
  - (3) Clinical examination and Electromyography
  - (4) Clinical examination alone
146. Which one of the following techniques uses the maximum amount of rib cartilage in framework design?
- (1) Tanzer
  - (2) Brent
  - (3) Nagata
  - (4) Firmin
147. In a patient with late Volkmann's contracture, which of the following is the most common finding?
- (1) Fibrosis of the extensor muscles
  - (2) Fibrosis of the flexor muscles
  - (3) Intrinsic plus deformity
  - (4) Ischemic necrosis of digits
148. Carpal tunnel syndrome can be differentiated from Proximal Median Neuropathy by -
- (1) absence of forearm pronation as motor weakness and no sensory loss in thenar eminence
  - (2) presence of thumb abduction
  - (3) sensory loss in 1<sup>st</sup> and 2<sup>nd</sup> digit palmar surface
  - (4) sensory loss in thenar eminence
149. An important skeletal landmark in evaluating digital malrotations in hand is -
- (1) Trapezium
  - (2) Tubercle of scaphoid
  - (3) Trapezoid
  - (4) Pisiform
150. Name the flap which is not a part of the subscapular vascular axis?
- (1) Serratus anterior flap
  - (2) Latissimus dorsi flap
  - (3) Intercostal artery perforator flap
  - (4) Parascapular flap

151. Which one of the following muscle is the main component of the Passavant's ridge?
- (1) Tensor veli palatini
  - (2) Palatopharyneus
  - (3) Superior constrictor
  - (4) Palato glossus
152. Frontalis suspension is best indicated for -
- (1) severe bilateral congenital ptosis with poor or absent levator function
  - (2) children with blepharophimosis syndrome
  - (3) children with Marcus-Gunn synkinetic ptosis syndrome
  - (4) All of the above
153. Muscles on the plantar surface of the foot are classically described in 4 layers. Which layer is the most relevant to the reconstructive surgeon?
- (1) Abductor hallucis, flexor digitorum brevis, abductor digiti minimi
  - (2) Quadratus plantae, lumbricals, tendons of flexor digitorum longus
  - (3) Flexor hallucis brevis, adductor hallucis, flexor digiti minimi brevis
  - (4) Plantar and Dorsal interossei
154. The Simonart band is present in -
- (1) Unilateral complete cleft lip
  - (2) Unilateral incomplete cleft lip
  - (3) Complete bilateral cleft lip
  - (4) Unilateral complete cleft lip and palate
155. The mallet finger deformity is most commonly caused by -
- (1) Striking the distal finger with a mallet
  - (2) Severing the extensor tendon distal to the MP joint
  - (3) Complete extensor division at the level of PIP joint
  - (4) Complete division of the extensor tendon beyond the insertion of the oblique retinacular ligaments
156. The chemical agents used for facial resurfacing include all, except -
- (1) Alpha-hydroxy acids
  - (2) Trichloroacetic acid
  - (3) Carbolic acid
  - (4) Hydroquinone

157. Unilateral coronal craniosynostosis results in -
- (1) Turricephaly
  - (2) Plagiocephaly
  - (3) Tower skull
  - (4) Scaphocephaly
158. Absolute contraindication to replantation is -
- (1) advanced age
  - (2) multiple injuries within the amputated part
  - (3) avulsion injuries
  - (4) prolonged warm ischemia time
159. A good candidate for total body lift after massive weight loss surgery is one, except -
- (1) whose weight is stable for at least 6 months post-surgery
  - (2) who is in good health & has a positive outlook
  - (3) who is unable to quit smoking
  - (4) who is committed to proper nutrition and fitness
160. Which of the following is most common approach for implant placement in breast augmentation?
- (1) Inframammary approach
  - (2) Periareolar approach
  - (3) Trans umbilical
  - (4) Trans axillary
161. Glandular breast ptosis is described as one, where -
- (1) Nipple is at the level of inframammary fold
  - (2) Nipple lies above the inframammary fold with breast tissue hanging below the fold
  - (3) Nipple lies below the inframammary fold but above the lowest breast contour
  - (4) Nipple lies at the lowest breast contour and below the inframammary fold
162. A prepubescent child presents with post burn contracture of the axilla. On examination the skin of the apex of axilla is spared. The surgical management of this patient entails -
- (1) Release of the contracture in the midaxilla and split skin grafting
  - (2) Double release with two separate incisions one proximal and one distal to the unburnt skin and split skin grafting
  - (3) Z plasty
  - (4) Local flaps

163. Maximum advancement can be done by LeForte 1 is -
- (1) 2 cm
  - (2) 3 cm
  - (3) 4 cm
  - (4) 5 cm
164. Which Tessier cleft may be commonly associated with palsy of the VII nerve?
- (1) Tessier 7
  - (2) Tessier 8
  - (3) Tessier 9
  - (4) Tessier 11
165. Principles of abdominal wall reconstructions include all, except -
- (1) should follow established surgical principles of wound healing
  - (2) normal anatomy should be disturbed as little as possible
  - (3) parallel incisions or T incisions are generally desirable
  - (4) Non-absorbable material should be used because of the increased intra-abdominal pressure
166. All are true for galea aponeurotica of scalp, except -
- (1) it is continuous with temporoparietal fascia.
  - (2) it is part of a broad fibro muscular layer that envelops the forehead & scalp.
  - (3) is a tendinous confluence of occipital & frontal muscles.
  - (4) it does not have any attachment to the overlying skin.
167. Which one of the following is appropriate procedure in case of massive weight reduction?
- (1) Mini abdominoplasty
  - (2) Standard abdominoplasty
  - (3) Reverse abdominoplasty
  - (4) High lateral tension abdominoplasty
168. Indications for tendon transfers include all, except -
- (1) Poliomyelitis
  - (2) Nerve Injury
  - (3) Rheumatoid arthritis
  - (4) Spastic disorders

169. To prevent recurrence in a case of Dermatofibrosarcoma protuberans -
- (1) excision with less than 3 mm margin is appropriate
  - (2) excision with a possible margin of less than 3 cm is appropriate
  - (3) wide excision with an excess of 3 cm skin margin is appropriate
  - (4) wide excision with a margin of deep fascia in excess of 3 cm is appropriate
170. A child presents with fronto-orbital encephalocele in the middle of the left forehead since birth. Ablepharia is present with orbital deformity. Which of the following craniofacial cleft is suspected according to Tessier classification -
- (1) Cleft No. 9
  - (2) Cleft No. 10
  - (3) Cleft No. 11
  - (4) Cleft No. 12
171. Standard of care in complex wound management involves -
- (1) Debridement in stages alone
  - (2) Appropriate therapy with antibiotics & dressings
  - (3) Dressings alone
  - (4) Staged debridement's, cover with vascularised tissue, appropriate therapy with antibiotics
172. All are chemical of wound healing, except -
- (1) PDGF
  - (2) TGF beta
  - (3) Serotonin
  - (4) IL - 4
173. Interdacryon distance on CT scan that is suggestive of moderate hypertelorbitism is -
- (1) less than 30 mm
  - (2) 30 to 34 mm
  - (3) 35 to 39 mm
  - (4) more than 40 mm
174. All statements are true for post mastectomy breast reconstruction with prosthetic techniques, except-
- (1) textured surface and anatomically shaped expanders with integrated valves are preferred.
  - (2) a semi-rigid back in tissue expander allows for preferential anterior dimension expansion.
  - (3) one stage implant reconstruction is still popular.
  - (4) textured surface on the expander reduces the incidence of capsular contracture.

175. When treating moderate frontotemporal hair loss in a 28 year old male with hair transplant, which one of the donor sites should be used?
- (1) Parietal
  - (2) Temporal
  - (3) Upper occipital
  - (4) Lower occipital
176. The most important single variable in the coverage achievable by hair transplantation is -
- (1) Hair length (h)
  - (2) Radius of hair shaft (r)
  - (3) Hair density (d)
  - (4) Total area covered in  $\text{cm}^2$  (a)
177. In the TNM classification of head and neck cancer metastasis, a single ipsilateral lymph node more than 6 cm in size is classified as -
- (1) N1
  - (2) N2 A
  - (3) N2 B
  - (4) N3
178. The top component in a centrifuged aliquot of lipoaspirate is -
- (1) cell button
  - (2) plasma serum, local anaesthetic & broken down haemoglobin
  - (3) fat cells and connective tissue
  - (4) pure triglycerides
179. All are true about dog ear, except -
- (1) caused by short elliptical incision
  - (2) treated by making incision y-shape
  - (3) can be treated by excision of suturing
  - (4) disappears to its own if left untreated
180. The most recognised complication of latissimus dorsi flap harvest is -
- (1) Donor site seroma formation
  - (2) Empty bursa of varying dimensions
  - (3) Donor site marginal skin necrosis
  - (4) Diminishing but rarely significant isolated arm strength

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**Space for Rough Work**