

ARD

PROVISIONAL ANSWER KEY (CBRT)

Name of The Post	Assistant Professor, Burns and Plastic Surgery (Plastic and Reconstructive Surgery), General State Service, Class-1
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Instructions / સૂચના

Candidate must ensure compliance to the instructions mentioned below, else objections shall not be considered: -

- (1) All the suggestion should be submitted in prescribed format of suggestion sheet Physically.
- (2) Question wise suggestion to be submitted in the prescribed format (Suggestion Sheet) published on the website.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key (Master Question Paper), published herewith on the website. Objections should be sent referring to the Question, Question No. & options of the Master Question Paper.
- (4) Suggestions regarding question nos. and options other than provisional answer key (Master Question Paper) shall not be considered.
- (5) Objections and answers suggested by the candidate should be in compliance with the responses given by him in his answer sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed.
- (6) Objection for each question shall be made on separate sheet. Objection for more than one question in single sheet shall not be considered & treated as cancelled.

ઉમેદવારે નીચેની સૂચનાઓનું પાલન કરવાની તકેદારી રાખવી, અન્યથા વાંધા-સૂચન અંગે કરેલ રજૂઆતો ધ્યાને લેવાશે નહીં

- (1) ઉમેદવારે વાંધા-સૂચનો નિયત કરવામાં આવેલ વાંધા-સૂચન પત્રકથી રજૂ કરવાના રહેશે.
- (2) ઉમેદવારે પ્રશ્નપ્રમાણે વાંધા-સૂચનો રજૂ કરવા વેબસાઇટ પર પ્રસિધ્ધ થયેલ નિયત વાંધા-સૂચન પત્રકના નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ ન કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્ર માં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચન ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે જે પ્રશ્નના વિકલ્પ પર વાંધો રજૂ કરેલ છે અને વિકલ્પ રૂપે જે જવાબ સૂચવેલ છે એ જવાબ ઉમેદવારે પોતાની ઉત્તરવહીમાં આપેલ હોવો જોઈએ. ઉમેદવારે સૂચવેલ જવાબ અને ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચન ધ્યાનમાં લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચન પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

001. Which flap was originally described by Sushruta for reconstruction of nose?
 (A) Median forehead flap (B) Paramedian forehead flap
 (C) Cheek flap (D) Forearm flap
002. Which Plastic surgeon won the noble prize for his work?
 (A) Harold Gillies (B) T.P Kilner
 (C) Paul Tessier (D) Joseph Murray
003. "Super flaps" for lower extremities were described by:
 (A) Ponten (B) Harrold Gillies
 (C) Nahai (D) Lambarty
004. The Limberg flap is a type of which one of the following flap?
 (A) Rotation flap (B) Transposition flap
 (C) Interpolation flap (D) Advancement flap
005. Which one of the following muscle has type I blood supply?
 (A) Tensor fascia lata (B) Sternocleidomastoid
 (C) Triceps (D) Peroneus brevis
006. Alloderm (acellular allogenic dermis) which is composed of acellular dermis and extracellular matrix is obtained from:
 (A) Sheep skin (B) Live Human donor
 (C) Pig skin (D) Cadaveric skin
007. Granulation tissue seen in open wounds is composed of the following cells, except ?
 (A) Neutrophils (B) Fibroblasts
 (C) Macrophages (D) Endothelial cells
008. Best radiograph for detecting anterior maxillary antral fractures:
 (A) Lateral view (B) Water's view
 (C) Caldwell view (D) Towne's view
009. Which is the best X-ray view for visualizing TMJ
 (A) Fronto occipital view (B) Reverse Water's view
 (C) Lateral oblique Transcranial view (D) Mento-occipital view
010. In the norm-occlusion, which parts of the molars come in contact with each other?
 (A) Mesiobuccal cusp of first maxillary molar in the buccal groove of the first mandibular molar
 (B) Mesiobuccal groove of the first maxillary molar in the buccal cusp of the first mandibular molar
 (C) Mesiopalatal cusp of first maxillary molar in the buccal groove of the first mandibular molar
 (D) Mesiopalatal groove of the first maxillary molar in the buccal cusp of the first mandibular molar
011. Mandibular fractures are classified by Kazanjian and Converse according to:
 (A) Location of teeth (B) Condition of teeth
 (C) Direction of fracture (D) Stress lines
012. The Kernahan's striped 'Y' classification of cleft lip and palate is based on which one of the following key landmarks?
 (A) Nasal septum (B) Incisor teeth
 (C) Incisive foramen (D) Septal angle

013. Which one of the following is true regarding Furlow's double opposing Z-plasty?
- (A) The levator muscle is not dissected
 - (B) The levator muscle is included in the anteriorly based flaps
 - (C) The levator muscle is included in the posteriorly based flaps
 - (D) Z-plasty of muscle is performed on the oral flaps
014. In OMENS classification, O2 is:
- (A) Normal orbital size and position
 - (B) Abnormal orbital size
 - (C) Abnormal orbital position
 - (D) Abnormal orbital size and position
015. Embryologically in cleft lip :
- (A) Bilateral cleft lip results from failure of fusion of the merged lateral nasal prominences with the maxillary process
 - (B) In bilateral cleft lip merged medial nasal prominences are often absent
 - (C) Maxillary and mandibular prominences join at the philtral columns
 - (D) Medial nasal prominence forms the philtrum
016. The most important measurements to determine the size of breast implant are:
- (A) Medial breast pinch thickness, implant volume, implant radius
 - (B) Upper pole pinch thickness, distance from inframammary to nipple
 - (C) Breast base diameter, lateral breast pinch thickness
 - (D) Chest size
017. Suitable candidate for anatomical shaped cohesive gel breast implant is a patient with:
- (A) Tuberos breast
 - (B) Pendulous breast after mastopexy
 - (C) Small breast
 - (D) Large breast with ptosis.
018. The Siltex 'SPECTRUM' implants for breast are:
- (A) Silicone gel filled implant in variety of shapes and sizes.
 - (B) Implant with pull-out filler mechanism for volume adjustment, postoperatively.
 - (C) Anatomical implants with 3D printing
 - (D) Double lumen implants
019. Becker's Nevus of breast:
- (A) Bilateral prominent venous marking
 - (B) Papillomatous out growth from areola skin
 - (C) Unilateral hyper pigmented often hairy hamartoma
 - (D) Hyperpigmentation pointing to underlying malignancy
020. For a 35 year old female with Regnault grade 3 ptosis planned for nipple sparing mastectomy , the ideal incision would be:
- (A) Inferolateral IMF incision
 - (B) Inferior vertical incision
 - (C) Horizontal radial incision
 - (D) Periareolar incision
021. A 56 year old female who underwent left side MRM followed by radiotherapy 2 years ago, now presents with swelling over the left upper limb extending up to left shoulder. According to ISL clinical grading, she is classified as having grade 2 lymphodema. Which of the following surgical interventions could be recommended for this patient?
- (A) Direct Excision with grafting
 - (B) Liposuction
 - (C) Greater omentum interposition
 - (D) Deltopectoral flap interposition

022. Tissue expansion as a reconstructive surgical procedure was introduced by?
 (A) Neumann (B) Radovan
 (C) Austad (D) Gillies
023. These three surgical procedure, individually or in combination are used, to solve the majority of skeletal facial profile discrepancies:
 (A) Nasal correction, bony augmentation, soft tissue fillers
 (B) Lefort osteotomy, BSSO of mandible, Genioplasty
 (C) BSSO of mandible, chin augmentation, soft tissue fillers
 (D) Face lift, fillers, laser rejuvenation
024. The Trans-cranial surgery for craniosynostosis is associated with risk of air embolism, which will present with:
 (A) Acute rise in end tidal partial pressure and ETco₂, 15mm Hg, hypertension and arrhythmia
 (B) Acute drop in end tidal partial pressure and ETco₂, 5mm Hg, hypotension and arrhythmia
 (C) Hypotension, Bradycardia, decreased urine output, fall of expiratory end tidal partial pressure of co₂
 (D) Raised BP, raised haematocrit and pedal oedema.
025. The patient with craniosynostosis has brachycephaly and broad thumb, with additional features like partial syndactyly of fingers, hypertelorism, exorbitism and is autosomal dominant. The picture represents:
 (A) Seathre- Chotzen syndrome (B) Carpenter syndrome
 (C) Pfeiffer syndrome (D) Kleeblattschadel deformity
026. The recommended hormonal therapy in Gender Identity Disorder) (GID) in adolescent patients is:
 (A) GnRH analogues and other puberty suppression agents
 (B) Administration of Estradiol, spironolactone and Finastride
 (C) Administration of Medroxy progesterone
 (D) Suppression of Hypothalamus.
027. In case of Pre ganglionic root avulsion Injury MRI is advised:
 (A) Immediately after injury (B) At 1 week
 (C) At 2 weeks (D) After 1 month
028. Important donor nerves for neurotization of pan brachial plexus injury:
 (A) SA, IC, Sural, Phrenic, branch to Triceps
 (B) SA Phrenic, Antebrachial cutaneous n.
 (C) SA, Phrenic, IC, Contralateral C7
 (D) SA, C4, Thoracodorsal n., IC
029. SNAP (sensory nerve action potential) in pre ganglionic brachial plexus injury is:
 (A) Biphasic response in area of distribution of nerve
 (B) Triphasic response in distribution area of nerve with reduced excitability
 (C) No response in area of distribution of nerve
 (D) Triphasic response in area of distribution of nerve as normal

030. The aim of Doi 2 procedure:
- (A) Active elbow extension, hand sensation, powerful hand grip
 - (B) Active elbow flexion, hand grip, shoulder abduction
 - (C) Active extension, shoulder stabilization, hand grip
 - (D) Active elbow flexion, hand sensation, rudimentary hand grip
031. The blood supply of vascular ulnar nerve graft used in brachial plexus injury is:
- (A) Inferior ulnar collateral A and V.
 - (B) Superior ulnar collateral A and V.
 - (C) Anterior circumflex humeral Artery.
 - (D) Branch from Profunda Brachi Artery.
032. Sural flap is used to reconstruct the knee, popliteal fossa, ankle and heel. The statement that best describes its vascularity is:
- (A) Supplied by direct branch of medial sural artery and anastomosis between peroneal and vascular network of sural nerve
 - (B) Supplied by direct branch of medial sural artery or anastomosis between peroneal and vascular network of sural nerve
 - (C) Supplied by direct branch of medial sural artery and anastomosis between peroneal and anterior tibial arteries
 - (D) Supplied by recurrent branch of Peroneal artery.
033. Hand fractures-all are true, except:
- (A) Tuft fractures are seen in crush injuries of distal phalanx
 - (B) Condylar blood supply is derived from collateral ligament attachment
 - (C) Bennett's is an extra-articular fracture:
 - (D) Dislocation of 2nd Proximal inter-phalangeal often needs surgery
034. False statement regarding Rectus abdominis muscle is:
- (A) It is supplied by superior and inferior deep epigastric arteries
 - (B) Is a type 2 muscle
 - (C) Used to cover defects in the perineum
 - (D) Used for groin defect reconstruction
035. Term used for absence of penoscrotal angle because of extension of scrotal skin onto ventral aspect of penis:
- (A) Buried penis
 - (B) Webbed penis
 - (C) Trapped penis
 - (D) Concealed penis
036. Dorsal artery of penis is branch of:
- (A) Deep External Pudendal artery
 - (C) Internal pudendal artery
 - (B) External iliac artery
 - (D) Femoral artery
037. The clitoral penoid or use of clitoris to reconstruct penis is called:
- (A) Phalloplasty
 - (B) Metoidioplasty
 - (C) Penile reconstruction
 - (D) Orthoplasty
038. The definition of gender dysphoria is 'it is a heterogeneous group of disorder' comprising of:
- (A) Disorders of sex development (DSD)
 - (B) Psuedohermaphroditism
 - (C) Dissatisfaction with their anatomic gender and desire to have opposite sex characters
 - (D) Disorder of abnormal symptoms, mental disorder, and Chromosomal disorder

039. Regarding Polydactyly true is:
- (A) Congenital deformity of upper limb not seen in Oriental Population
 - (B) Classified on basis of level of duplication
 - (C) Distal duplications are associated with weakness of intrinsic muscles
 - (D) Little finger is most commonly involved
040. Skin care is an important component of facial rejuvenation - Incorrect statement is:
- (A) Fitzpatrick identifies six skin types based on reaction to ultra violet radiation
 - (B) Tretinoin is a therapeutic agent proven to repair photo aging and skin texture by increasing cell turnover in the dermal layer
 - (C) Superficial peeling agents are used in treatment of tattoos
 - (D) Dermabrasion promotes neo collagen formation
041. In lasers:
- (A) Laser medium is energized to excite neutrons into a higher energy state
 - (B) As neutrons move back to stable orbit photons are released , which is known as simulated emission
 - (C) Longer the wave length , lesser is the penetration of laser
 - (D) Selective photo thermolysis involves targeting tissues with a wavelength of laser light specific to chromophores of that tissue
042. Indications for Moh's micrographic surgery:
- (A) Small Tumors with well-defined margins
 - (B) Tumors in H zone of face
 - (C) Immune-compromised patients
 - (D) Melanoma
043. Diabetic Foot Ulcers- correct is:
- (A) Lesion on plantar aspect with callus are characteristic features of foot ischemia
 - (B) Charcot's joint is a neuropathic joint
 - (C) Swanson's classification is used in diabetic foot ulcers
 - (D) Off loading should be avoided in diabetic foot ulcers
044. Characteristic fat deposit "banana roll" is present in which one of the following location?
- (A) Lateral to the iliac crest
 - (B) Above the umbilicus
 - (C) Above the greater trochanter
 - (D) Inferior to gluteal fold
045. The no. of bones which form orbit are:
- (A) 6
 - (B) 7
 - (C) 8
 - (D) 9
046. Naso-Orbital- Ethmoid (NOE) complex fracture most frequently results in:
- (A) Aesthetic deformity only
 - (B) Orbital dystopia
 - (C) Trismus
 - (D) Hypertelorism.
047. The most common type of # Zygoma is:
- (A) Type 1 according to ROWs classification
 - (B) Type 2 according to ROWs classification
 - (C) Type 3 according to Knight and North classification
 - (D) Type 4 according to Knight and North classification

048. In orthognathic surgery while performing BSSO for mandible, most important consideration is : RK
 (A) Detachment of medial pterygoid and stylomandibular ligament
(B) Condylar positioning
 (C) Detachment of Temporalis muscle insertion
 (D) Masseter muscle disinsertion
049. Regarding basic dental terminology – all are true except:
 (A) Apertognathia is anterior open bite
(B) Retrognathia is when maxilla is posteriorly placed as compared to skull base
 (C) Prognathia is when mandible is anteriorly placed as compared to skull base
 (D) Proclination is anterior angulation of anterior teeth
050. The most preferred method of Condylar reconstruction is:
(A) Costochondral graft (B) Condylar implant
 (C) Free fibula (D) Iliac crest
051. Craniosynostosis –true is:
(A) Fusion of solitary suture does not lead to gross neurologic impairment
 (B) Metopic synostosis is the most common
 (C) Cranial vault and brain growth are 85% complete by one year age
 (D) Children older than one year have better ability to fill cranial defects
052. A patient with Class 2 division 2 malocclusion square appearing mandible, prominent chin, deep nasolabial fold, an everted lower lip, and in cephalometry upright upper incisors (88 degree to SN plane) increased ANB angle (5 degrees) low mandibular plane angle, treatment plan would be:
 (A) Alveolar osteotomy, Mandibular BSSO, Lefort advancement
(B) Presurgical orthodontics, subapical advancement of mandible or BSSO with advancement genioplasty
 (C) Alveolar osteotomy, maxillary advancement, genioplasty
 (D) Presurgical orthodontics, alveolar osteotomy of maxilla, BSSO with reduction genioplasty.
053. The anatomic centre of the hand lies over which of the following?
(A) Metacarpophalangeal joint of the middle finger
 (B) Head of the third metacarpal
 (C) Base of the proximal phalanx of the middle finger
 (D) Middle of the third metacarpal
054. A volar V-Y advancement flap is not suitable for which one of the following?
 (A) Transverse amputation of finger tip **(B) Volar oblique amputation of finger tip**
 (C) Dorsal oblique amputation of finger tip (D) Finger tip amputation with exposed bone
055. In mandibular Reconstruction what should be the minimum length of osteotomised segment to preserve blood supply:
(A) 1.5 cm (B) 2 cm
 (C) 2.5 cm (D) 3 cm
056. The minimum height of reconstructed mandible required for osseointegrated implant is:
 (A) 3.5 cm (B) 2.5 cm
 (C) 1.5 cm **(D) 7-10mm**

057. Peronea arteria magna signifies:
- (A) 5% of patient's main arterial flow in peroneal artery.
 - (B) 15% of patient's main arterial flow in peroneal artery.
 - (C) 10% of patient's main arterial flow in peroneal artery.
 - (D) 2.5% of patient's main arterial flow in peroneal artery.
058. Which of the following statements is false regarding pectus carinatum:
- (A) Pectus excavatum is 10 times more common than pectus carinatum
 - (B) The chondro-gladiolar type is characterized by abnormal protrusion of sternum xiphoid junction
 - (C) Cosmetic deformity is the main indication for surgery
 - (D) Because of the increased anterior projection of the anterior thorax these patients usually do not suffer from cardiorespiratory compromise
059. Examination of hand- all are true except:
- (A) The nail folds attach proximally to the nail by cuticle
 - (B) The nail is attached distally to nail bed at the hyponychium
 - (C) Subungual abscess is called Onychia
 - (D) Mee's line is a mark of nail injury
060. When fingers of hand are flexed, they point towards which bone?
- (A) Hamate
 - (B) Scaphoid
 - (C) Pisiform
 - (D) Trapezium
061. Kaplan's cardinal line is drawn:
- (A) From apex of 1st Webspace to Pisiform
 - (B) From apex of 1st Webspace to Hook of Hamate
 - (C) From apex of 2nd Webspace to Pisiform
 - (D) From apex of 2nd Webspace to Hook of Hamate
062. Rubens flap for breast reconstruction is based on which one of the following vessel?
- (A) Superior epigastric artery
 - (B) Deep inferior epigastric artery
 - (C) Superficial inferior epigastric artery
 - (D) Deep circumflex iliac vessels
063. Oxalic acid causes burns by which mechanism:
- (A) Reduction
 - (B) Oxidation
 - (C) Corrosive action
 - (D) Protoplasmic poison
064. Which one of the following is the specific antidote for hydrofluoric acid burns?
- (A) Dilute sodium hyposulfite
 - (B) Milk
 - (C) Carbolic acid sticks
 - (D) Calcium gluconate gel
065. According to Cormack and Lamberty classification of fascio-cutaneous flaps, Radial artery forearm flap is:
- (A) Type A
 - (B) Type B
 - (C) Type C
 - (D) Cannot be classified by this system
066. The lateral arm free flap is based on:
- (A) The posterior radial collateral artery.
 - (B) The anterior radial collateral artery.
 - (C) The posterior ulnar collateral artery.
 - (D) The anterior ulnar collateral artery.

067. In burn wounds, when does basement membrane form between epidermis and dermis?
 (A) Along with re-epithelisation (B) 48 hours after reepithelisation
 (C) 4-5 days after reepithelization (D) 7-9 days after reepithelization
068. The first step in prevention of pressure sores, is:
 (A) 2 hourly change of posture (B) Air mattress use
 (C) Cleaning by chlorhexidine and spirit (D) Risk assesment
069. A 5year old boy with ear anomaly showing a pointed helix and a third crus of the antihelix- most likely diagnosis?
 (A) Microtia (B) Cryptotia
 (C) Stahl ear (D) Constricted ear
070. Platelet derived Growth factors are important in wound healing, because:
 (A) They have chimeric molecules with sulphur bonded polypeptide chains
 (B) Their activity is mediated through cell surface tyrosine kinase receptors
 (C) They decrease collagenase production leading to improved wound healing
 (D) PDGF – AA is the primary circulating isoform
071. ‘Paprika sign’ is characterised by punctate bleeding from which of the following?
 (A) Donor area of thigh (B) Cut edge of the skin
 (C) Cut edge of the bone (D) Cut edge of muscle
072. Wound healing is complex. Which statement is incorrect in reference to wound healing?
 (A) Regeneration involves reactivating developmental pathways to recreate original architecture
 (B) Substitution of a different cellular matrix as a patch to immediately re-establish both a physical and physiologic continuity is known as scar formation
 (C) The same injury in phylogenetically related species can result in very different responses
 (D) Neural injury is characterized by little scarring and much regeneration
073. Muscle Flaps:
 (A) Seven different types of vascular patterns are present
 (B) Musculocutaneous flaps are composite axial flaps
 (C) Majority of the muscles have Type 1 pattern
 (D) Vascular pedicle mostly enters through the muscle origin
074. In peripheral nerves:
 (A) Myelinated axons are ensheathed by Schwann cells
 (B) Unmyelinated axons are surrounded by a multilaminated sheath
 (C) Endoneurium is made of thin collagen fibres
 (D) Tissue that surrounds the peripheral nerve is the perineurium
075. Basic principles of Tendon transfers - all are true, except:
 (A) It involves creation, of new power units to improve function
 (B) Simplicity in mechanical design predisposes to good results
 (C) Normal skin sensibility is always desirable
 (D) Deformity develops from persistent imbalance and can usually be prevented by appropriate splinting

076. Ameloblastoma:
 (A) Arises from Enamel forming tissues
 (B) Is highly malignant sarcomatous tumour
 (C) Has maximum occurrence in second decade of life
 (D) Curettage of lesion has minimal recurrence rates
077. False statement regarding Vascular malformation:
 (A) No sex preponderance (B) Always evident at birth
 (C) Single layer endothelial spaces (D) GLUT-1 negative
078. Which is stage III according to Schobinger staging of AV malformations?
 (A) Quiescence (B) Expansion
 (C) Destruction (D) Decompensation
079. The first full face transplant patient died within two months of surgery due to which one of the following complication?
 (A) Immunosuppressive drug toxicity (B) Infection
 (C) Graft versus host disease (D) Renal failure
080. Risk of child getting affected if one sibling is affected with Cleft lip and/or palate?
 (A) 3.2% (B) 6.8%
 (C) 4.4% (D) 9%
081. Who described “triple wedge” lip repair technique?
 (A) William Rose (B) C. Balakrishnan
 (C) Sam Noordoff (D) Tennison
082. What is false regarding Ilizarov’s basic principles of distraction:
 (A) Osteotomy with liberal periosteal stripping
 (B) Latency period of 3, 5 or 7 days, depending on site
 (C) Distraction rate 1 mm/day
 (D) Distraction rhythm: can be continuous or incremental
083. The local anaesthetic produces its anaesthetic effect by doing which one of the following?
 (A) Saltatory conduction (B) Prevent passage of Sodium
 (C) prevent passage of Potassium (D) prevent passage of Calcium
084. False about Leprosy is:
 (A) Not possible to culture mycobacterium in bacteriological media or tissue culture
 (B) Barcelona classification is used
 (C) Nerve biopsy is used in pure neural case when diagnosis is not clear
 (D) Painful gynaecomastia is present
085. In a patient of TMJ ankylosis with Obstructive Sleep Apnoea, if primary ankylosis resection is performed, what is the effect on Obstructive Sleep Apnoea?
 (A) Improves (B) Worsens
 (C) No effect (D) Variable from patient to patient
086. The critical zones of injury in a burn that can be influenced by early effective management include:
 (A) Zone of coagulative necrosis. (B) Zone of hyperaemia.
 (C) Zone of stasis. (D) Both (A) and (C)

087. Ganglions on the dorsum of the fingers are located in relationship with which one of the following?
 (A) Metacarpophalangeal joint (B) Proximal interphalangeal joint
 (C) Distal interphalangeal joint (D) Midpoint of proximal phalanx between the extensor creases of metacarpophalangeal and proximal interphalangeal joint
088. Which one of the following defines the lunula correctly?
 (A) It is the visible part of the nail which is 2/3 of its length.
 (B) It is the part of the nail covered by skin, which is 1/3 of its length.
 (C) It is the white convex portion of the nail at its junction with the skin
 (D) It is the portion of the nail which requires cutting or trimming
089. Performing an isolated upper blepharoplasty in the context of brow ptosis is inadvisable primarily because:
 (A) The brow ptosis will remain uncorrected
 (B) The brow ptosis may worsen
 (C) Compensated lower lid ptosis may be unmasked
 (D) A 'Spock' like configuration of brows may result.
090. Canthoplasty is differentiated from canthopexy by which of the following?
 (A) Disinsertion of the lateral canthus (B) Tightening of the canthus
 (C) Corrects lower lid laxity (D) Use of suture fixation
091. The threshold for adding a lid supporting procedure to a lower lid blepharoplasty is a lower lid distraction test, the value of which is the following?
 (A) 4 mm (B) 6 mm
 (C) 8 mm (D) 10 mm
092. Inadequate approximation of the mentalis muscle following genioplasty can lead to what deformity?
 (A) Inability to depress the oral commissure (B) Inability to pucker the lips
 (C) Witch's chin deformity (D) Decreased ability to suck from straw
093. Accidental injection of hyaluronic acid filler into which of the following areas is most likely to cause blindness by retrograde occlusion of the central retinal artery?
 (A) Cheek (B) Lip commissure
 (C) Nasal dorsum (D) Philtral column
094. Which of the following characteristics of hyaluronic acid dermal fillers may be modified to produce prolonged results?
 (A) Cross linking (B) Particle size
 (C) Viscosity (D) Gel hardness
095. The follicular unit grafts used in hair transplantation are composed of how many units?
 (A) One (B) Two
 (C) Three (D) Any combination
096. What is Bloom's taxonomy ?
 (A) Is one of the ways to classify diseases
 (B) Is related to medical transcription
 (C) Is related to teaching and learning
 (D) Is tree like pattern for electronic storage of data in form of folders, subfolders and files

097. Which is the motor nerve most commonly injured in rhytidectomy?
 (A) Great auricular nerve (B) Buccal branch of facial nerve
 (C) Marginal mandibular nerve (D) Infraorbital nerve
098. What is true regarding changes that occur following tissue expansion:
 (A) The thickness of the dermis increases as the skin is expanded.
 (B) The mitotic rate of skin stays static during expansion.
 (C) The thickness of the epidermis tends to increase.
 (D) The stratum lucidum thickens by at least 75%.
099. Through which extensor compartment does Extensor Pollicis longus tendon pass?
 (A) First compartment (B) Second compartment
 (C) Third compartment (D) Fourth compartment
100. Best response of Green tattoo ink to which of the following lasers?
 (A) Nd:YAG 532 (B) Nd:YAG 1064
 (C) Ruby 694 (D) Alexandrite 755
101. Which one of the following muscle is the main component of the Passavant's ridge?
 (A) Tensor veli palatini (B) Levator veli palatini
 (C) Palato-pharyngeus (D) Superior constrictor
102. The splintage for post-operative prevention of popliteal fossa contracture is:
 (A) Three post extensor splint, thermoplastic splint, plaster of Paris splint
 (B) Four post extensor splint, thermoplastic splint, Plaster of Paris splint
 (C) Four post extensor splint, thermoplastic splint, Dynamic walking splint
 (D) Dynamic walking splint, Physiotherapy, thermoplastic splint
103. Name of instrument used for closed approach for # Zygoma and method described by:
 (A) Howarth, - Kelly's approach (B) Bristow's, - Gillies approach
 (C) Row's Elevator, - William's approach (D) Freer's elevator, - Cronin's techniques
104. The artery of first branchial arch is:
 (A) Mandibular artery (B) Stapedial artery
 (C) Facial artery (D) Maxillary artery
105. A condition similar to osteoradionecrosis of jaw is:
 (A) Brodie's abscess (B) Andi Gump
 (C) Actinomycosis of jaw (D) Biophosphonates related
106. Osteoradionecrosis of mandible is best managed by : RK
 (A) Fascio-cutaneous flap
 (B) Platysma myo-cutaneous flap
 (C) Cancellous bone graft with antibiotic beads
 (D) Debridement and free flap
107. Phases of normal wound healing include all except:
 (A) Inflammatory Phase (B) Granulation Phase
 (C) Proliferative Phase (D) Remodeling Phase

108. **Muscle Flaps:**
 (A) Seven different types of vascular patterns are present
 (B) Musculocutaneous flaps are composite axial flaps
 (C) Majority of the muscles have Type 1 pattern
 (D) Vascular pedicle mostly enters through the muscle origin
109. All are features of supra clavicular Brachial Block anesthesia, except:
 (A) Ease of performance
 (B) Low incidence of complications
 (C) Reliability in blocking the ulnar nerve distribution
 (D) Epinephrine markedly prolongs the duration of action
110. False statement regarding Congenital Melanocytic Nevus, is:
 (A) Giant Nevi are greater than 20 cm in largest diameter
 (B) Glove stocking distribution is observed for giant nevi
 (C) Lesion tend to become hypopigmented with age
 (D) Hypertrichosis is associated
111. Mark the correct statement regarding compartment syndrome of the limb:
 (A) Painless insensate limb
 (B) Pain on passive flexion of the limb
 (C) Gross muscle wasting is seen
 (D) Vascular steal phenomenon is observed
112. Concerning foetal wound healing. Which statement is correct?
 (A) Scarring is similar to adults.
 (B) There are higher concentrations of Type III collagen.
 (C) There are lower concentrations of hyaluronic acid.
 (D) There are higher concentrations of Type IV collagen.
113. According to Mathes and Nahai classification, Sartorius is:
 (A) Type I muscle flap.
 (B) Type II muscle flap.
 (C) Type III muscle flap.
 (D) Type IV muscle flap
114. Fitzpatrick skin type of Indian people:
 (A) Type I
 (B) Type II
 (C) Type V
 (D) Type VI
115. Which syndrome is characterised by multiple small venous malformations and multiple enchondromas of bone?
 (A) Klippel-Trenaunnay syndrome
 (B) Gorham Stout syndrome
 (C) Sturge Weber syndrome
 (D) Maffucci syndrome
116. Risk of child getting affected if one parent is affected with Cleft lip and/or palate?
 (A) 3.2%
 (B) 6.8%
 (C) 4.4%
 (D) 9%
117. Nagpur classification of cleft lip and palate has been described by:
 (A) Khan
 (B) Balakrishnan
 (C) Agrawal
 (D) Sawhney

118. Regarding eyelid reconstruction, which of the following statement in reference to Tripiier flap is correct:
- (A) It is a myocutaneous flap
 (B) The flap is useful for lower lid defects
 (C) The flap is useful for < 50 percent lid loss
 (D) It is a unipedicle flap
119. Janzekovic from Yugoslavia is credited with starting:
- (A) Application of skin graft from mother to baby
 (B) Initial colloid transfusion in burns
 (C) Tangential excision in burns
 (D) Depth based classification of burns
120. Mandibular fractures are classified by Kazanjian and Converse according to:
- (A) Location of teeth
 (B) Condition of teeth
 (C) Direction of fracture
 (D) Stress lines
121. Epithelial cell culture autografts were first introduced by:
- (A) Suwelac
 (B) McCarthy
 (C) Neumann
 (D) Rheinwald and Green
122. Sir Archiebald McIndoe was:
- (A) Cousin of Gilles
 (B) Father of McGregor
 (C) Nephew of Morestein
 (D) Uncle of Humby's
123. Plastic Surgery is derived from the word 'Plastikos'. It comes from which language:
- (A) Greek
 (B) Latin
 (C) Roman
 (D) French
124. Which of the following is not a file format for digital photography?
- (A) .tiff
 (B) .jpeg
 (C) .psd
 (D) .flv
125. Which of the following is not included in preparation of a Cochrane review?
- (A) Starting a hypothesis
 (B) Evaluation of selected studies
 (C) Analysing results
 (D) Updating reviews
126. The following nerves originate from the Erb's point, except:
- (A) Suprascapular nerve
 (B) Anterior division of upper trunk
 (C) Long thoracic nerve
 (D) Nerve to subclavius
127. The nerve to Gracilis muscle is derived from:
- (A) Anterior branch of femoral nerve
 (B) Posterior branch of femoral nerve
 (C) Anterior branch of obturator nerve
 (D) Posterior branch of obturator nerve
128. Muscle gaining innervation from all roots of the brachial plexus is:
- (A) Latissimus dorsi
 (B) Pectoralis major
 (C) Serratus anterior
 (D) Triceps
129. Lumbrical muscles in the foot belong to which layer?
- (A) First layer
 (B) Second layer
 (C) Third layer
 (D) Fourth layer

130. Which of the following is not a clinical decision-making score related to severity of lower limb injury?
 (A) Lower Limb Trauma Severity Score (B) Mangled Extremity Severity Score
 (C) Limb Severity Index (D) Predictive Salvage Index
131. Free radial artery forearm flap can be made sensate by incorporating:
 (A) Superficial cutaneous branch of Radial nerve
 (B) Lateral antebrachial cutaneous nerve
 (C) Cutaneous branch of medial nerve
 (D) Posterior interosseus nerve
132. The features of compartment syndrome include all except:
 (A) Pulselessness (B) Poikilothermia
 (C) Paresthesia (D) Petechiae
133. 'Mannerfelt lesion' refers to attritional rupture of which tendon?
 (A) Flexor Pollicis Longus (B) Flexor Hallucis Longus
 (C) Extensor Pollicis Longus (D) Extensor Hallucis Longus
134. 'Baumeister technique' in lymphedema refers to:
 (A) Lymphatico-venous anastomosis (B) Nodo-venous anastomosis
 (C) Lymphatic vessel grafting (D) Free lymph node transfer
135. Latissimus dorsi flap was described for breast reconstruction by:
 (A) Tansini (B) Bakamjian
 (C) Hartrampf (D) Jackson
136. MRC grading in relation to muscle power refers to:
 (A) Medical Research Council (B) Medical Rehabilitation Council
 (C) Medical Resource Committee (D) Medical Resource Council
137. 'Pilon fracture' refers to:
 (A) Fracture in the base of phalanges due to axial compressive force
 (B) Fracture of the distal phalanx due to sudden hyperextension
 (C) Unicortical fracture of the radius
 (D) Fracture around the elbow due to injury in a moving vehicle
138. Wartenberg sign is:
 (A) Inability to adduct the little finger
 (B) Inability to abduct the little finger
 (C) Inability to form a full fist
 (D) Inability to oppose the thumb to the base of the little finger
139. Free water in MRI appears as:
 (A) Low signal in T1 and High signal in T2 (B) High signal in T1 and High signal in T2
 (C) Low signal in T1 and Low signal in T2 (D) High signal in T1 and Low signal in T2
140. 'Bridge plating' is a method to provide relative stability of:
 (A) Fixing bone graft (B) Comminuted diaphysial fractures
 (C) Fixing fractures across multiple joints (D) Stabilizing joint dislocation

141. The distance moved by the screw in one full rotation depends upon the:
 (A) Core diameter (B) Length of screw
 (C) Pitch of screw (D) Length of thread
142. Open palm technique of Dupuytren's contracture was given by:
 (A) Pandey (B) Hueston
 (C) Skoog (D) McCash
143. 'Elson's test' is used for:
 (A) Assessing the function of the intrinsics (B) Assessing the integrity of central slip
 (C) Assessing opponens function (D) Diagnosing CMC arthritis
144. The amplitude of tendon excursion for the wrist extensors is:
 (A) 3 cm (B) 5 cm
 (C) 7 cm (D) 9 cm
145. Boundaries of the Scalene triangle are all except:
 (A) Anterior Scalene (B) Middle Scalene
 (C) Clavicle (D) First Rib
146. A depressed fracture of the anterior wall of frontal sinus requires exploration:
 (A) To rule out posterior wall fracture (B) To rule out injury to brain
 (C) To rule out pneumo encephalocele (D) Contour deformity does not occur later
147. The prime muscle of thumb opposition is:
 (A) APB (B) APL
 (C) FPB (D) Opponens pollicis
148. True regarding metacarpophalangeal joint of thumb are all, except:
 (A) Primary arc of motion is in flexion-extension plane
 (B) It has little intrinsic stability
 (C) Proper collateral ligaments are loose in flexion and taut in extension
 (D) Range of motion is most variable of any joint in the body
149. 'Stener's lesion' refers to:
 (A) Simple Ulnar Collateral Ligament injury
 (B) Simple Radial Collateral ligament injury
 (C) Ulnar Collateral injury with adductor aponeurosis interposition
 (D) Radial collateral injury with adductor aponeurosis interposition
150. Dingman approach to zygomatic fractures is via:
 (A) Temporal region (B) Intraoral with use of mouth gag
 (C) Lateral brow (D) Sub ciliary
151. Suspension wires for IMF are most useful in:
 (A) Adults (B) Children
 (C) Edentulous individuals (D) Comminuted fractures
152. Ablation of nail bed is done if the loss is more than:
 (A) 50 % of nail bed (B) 66.6 % of nail bed
 (C) 75% of nail bed (D) 90% of nail bed

153. Which of the following is not an usual complication of panfacial fractures?
 (A) Diplopia (B) Enophthalmos
(C) Malocclusion (D) Lack of midface projection
154. Correct regarding Congenital nevocellular nevus is:
(A) Manifests within one year of birth
 (B) The risk of malignancy is related to the size of the nevus
(C) May regress with age
(D) Autosomal dominant inheritance
155. Paramedian Forehead flap is based on:
(A) Superficial temporal artery (B) Supraorbital artery
 (C) Supratrochlear artery (D) Angular artery
156. 'Erb's plus' pattern refers to:
(A) C5, C6 injury (B) C4, C5 injury
 (C) C5, C6, C7 injury (D) Preganglionic limited to the upper trunk
157. Regarding the FAMM flap all are true, except:
(A) Can be based superiorly (B) Can be based inferiorly
 (C) Can be based posteriorly (D) Can be based on facial vessels
158. The intercostal neurovascular bundles run:
(A) Superficial to the outer intercostals
(B) Between the outer and inner intercostals
 (C) Between the inner and inner most intercostals
(D) Beneath the inner most intercostals
159. Intraplexal nerve transfers are all, except:
(A) Ipsilateral C7 (B) Contralateral C7
(C) Somsack's transfer (D) Oberlin transfer
160. Angle of shoulder arthrodesis in pan brachial plexus palsy with absent serratus function is:
 (A) Abduction of 20 degrees, Flexion of 10 degrees and Internal rotation of 30 degrees
(B) Abduction of 30 degrees, Flexion of 30 degrees and Internal rotation of 30 degrees
(C) Abduction of 40 degrees, Flexion of 0 degrees and Internal rotation of 10 degrees
(D) Abduction of 60 degrees, Flexion of 20 degrees and Internal rotation of 20 degrees
161. Syndromes associated with Radial club hand are all, except:
(A) Holt Oram (B) Klippel Trenaunay
(C) Fanconi's anemia (D) TAR syndrome
162. Wassel classification is for:
 (A) Thumb duplication (B) Radial club hand
(C) Hand duplication (D) Trans-metacarpal amputation
163. Arachnodactyly without flexion contractures is seen in:
(A) Beal's syndrome (B) Marfan's syndrome
(C) Juvenile palmar fibromatosis (D) Pterygium syndrome

164. Mallet grading in children includes all, except:
- (A) Active abduction of shoulder (B) External rotation
 (C) Adequacy of grip (D) Hand to mouth
165. Bakamjian is associated with:
- (A) Medially based Deltopectoral flap (B) Laterally based Deltopectoral flap
 (C) Classical pectoralis major flap (D) Pectoralis major turn-over flap
166. All are types of dermatomes except:
- (A) Padgett (B) Zimmer
 (C) Blair (D) Rees
167. One of the common donor site complications with the use of latissimus dorsi flap is:
- (A) Inability to close primarily (B) Seroma formation
 (C) Wound dehiscence (D) Functional impairment
168. In any transplant program one of the most essential thing is:
- (A) To adequately compensate the donor
 (B) To maintain the dignity of the donor
 (C) Recording of organ harvest must be made
 (D) Proper washing with normal saline
169. A patient underwent reduction mammoplasty with inferior pedicle and wise pattern skin incision. 3 years later the patient demands a re-reduction. The blood supply to the NAC after this re-reduction will be...
- (A) Inferiorly based (B) Superiorly based
 (C) Medially based (D) Random pattern
170. Regarding Suppurative Flexor Tenosynovitis all are true except:
- (A) *Pasteurella multocida*s frequently cultured in infections caused by animal bites
 (B) Hematogenous septic flexor tenosynovitis is associated with disseminated gonococcal infection
 (C) Kanavel's signs are more prominent in Thumb and Little finger
 (D) Most common organisms responsible are *S. aureus* and β -hemolytic *Streptococcus*
171. Which of the following is the correct statement regarding heterotopic ossification in burns:
- (A) Usually involves small joints
 (B) Usually involves larger joints
 (C) No specific predilection between smaller or larger joints
 (D) Occurs only in burns more than 50 percent TBSA
172. True about Palmar space infections is:
- (A) Flexor tendons to little finger pass through the hypothenar space
 (B) Vertical mid palmar septum forms the radial boundary of the hypothenar space
 (C) Flexor tendons to all four fingers pass through the mid palmar space
 (D) Thenar space infections usually spread dorsally over the adductor pollicis
173. Regarding the management of deep palmar space infections, all are true except:
- (A) Rest, Immobilisation and hand Elevation is the first line of therapy
 (B) Intravenous antibiotics should be started after obtaining cultures
 (C) Surgical incisions are planned to avoid injury to underlying nerves
 (D) Incisions are made so as to avoid subsequent contracture

174. Most common type of Velopharyngeal closure in normal patients is:
 (A) Coronal (B) Circular
 (C) Sagittal (D) Straight line
175. From proximal to distal the order of innervation of muscles by the radial nerve are:
 (A) Brachioradialis, ECRL, Supinator, ECRB
 (B) ECRL, ECRB, Brachioradialis, Supinator
 (C) Brachioradialis, ECRL, ECRB, Supinator
 (D) Brachioradialis, Supinator, ECRL, ECRB
176. For Buttock Augmentation ideal plane for placement of implant is:
 (A) Subcutaneous (B) Subfascial
 (C) Intramuscular (D) Submuscular
177. Diameter of 10.0 suture:
 (A) 25 micron (B) 35 micron
 (C) 45 micron (D) 55 micron
178. Casserus perforating nerve is:
 (A) Saphenous nerve (B) Musculocutaneous nerve
 (C) Sural nerve (D) Anterior interosseous nerve
179. Mauriceau's maneuver can result in the fracture of:
 (A) Humerus (B) Femur
 (C) Mandible (D) Clavicle
180. The vertical bipediced technique of breast reduction was described by:
 (A) McKissock (B) Strombeck
 (C) Pitanguy (D) Skoog
181. 'Banff' Grading system is used for:
 (A) Aesthetic assessment of the nose
 (B) Functional recovery post Brachial Plexus injuries
 (C) Histopathological grading for acute skin rejection
 (D) Speech assessment post pharyngoplasty
182. Division of intraneural structures with epineurium intact is Sunderland:
 (A) 3rd degree (B) 4th degree
 (C) 5th degree (D) 6th degree
183. Class 3 type of Weiss Hastings classification of unicondylar fractures of proximal phalanx is:
 (A) Oblique Volar (B) Long Sagittal
 (C) Dorsal Coronal (D) Volar Coronal
184. Pneumatic Tourniquet was introduced by:
 (A) Pare (B) Cushing
 (C) Lister (D) Petit
185. Pronator Teres is innervated by the median nerve through the root value:
 (A) C5, 6 (B) C6, 7
 (C) C7, 8 (D) C8, T1

186. Posterior Interosseus vessels are approached between:
 (A) ECU and EDM (B) EDM and EDL
 (C) EDL and ECRL (D) EDM and EPL
187. Preferred angle of arthrodesis of middle finger MCP joint is:
 (A) 25 (B) 30
 (C) 35 (D) 40
188. Bilayer skin substitute consisting of bovine collagen with Glycosaminoglycan chondroitin sulphate layer along with silicone upper sheet is:
 (A) Integra (B) Epicel
 (C) Dermagraft (D) Apligraf
189. First successful extremity replantation was done in 1962 by :
 (A) Malt (B) Bunke
 (C) Tamai (D) Jacobson
190. All the muscles are innervated by the facial nerve from their deeper surface except:
 (A) Depressor angulioris (B) Levator anguli oris
 (C) Zygomaticus major (D) Depressor labii inferioris
191. Phocomelia or seal limb is which type of defect:
 (A) Intercalated (B) Transverse defect
 (C) Failure of formation (D) Failure of differentiation
192. Regarding 'Radial club hand' which of the statement is true:
 (A) Ulnar vessels may be absent
 (B) The aim is to have a single bone forearm
 (C) Distraction is helpful in elongation of Radius
 (D) Microvascular transfer can be done to lengthen the Ulna
193. Which is the correct statement regarding High tension abdominoplasty:
 (A) Maximum tension on wound closure is at sides
 (B) Maximum tension on wounds is in the midline wound
 (C) Maximum tension on the wound is at the inferior side
 (D) Wound tension is equally divided all along the suture margins
194. In wounds where both musculo-cutaneous and fascio-cutaneous flaps are an option. musculocutaneous flaps have the following advantage:
 (A) Have a single dominant blood supply
 (B) They are associated with less blood loss
 (C) Have better capability to clear infection of the wound
 (D) Obliterate dead space
195. Post gustatory sweating is seen due to:
 (A) Cross connection between sympathetic fibres to parasympathetic fibres of sweat glands
 (B) Cross connection between parasympathetic fibres to cholinergic fibres of sweat gland
 (C) Cross connection between parasympathetic fibres to cervical plexus nerves of sweat glands
 (D) Cross connection between fibres of cervical plexus to sympathetic fibres of sweat glands

196. Toe to thumb reconstruction is ideally suited for Morrison type _____ thumb amputations:
(A) Segmental (B) Distal subtotal
(C) Proximal subtotal (D) Total
197. Regarding Hypodermis, the correct statement is:
(A) Layer of subcutaneous tissue beneath the dermis
(B) It is found only in Canines
(C) Is between the epidermis and dermis
(D) There is nothing like this
198. Epidermolysis bullosa is:
(A) Is due to drug reaction mostly sulphonamides
(B) Is due to infection of skin
(C) Is due to trauma
(D) Is genetic
199. Fibular head is used as vascularised epiphyseal transfer. It receives blood supply from:
(A) Peroneal vessels through diaphysis (B) Anterior tibial artery
(C) Both Peroneal and Anterior Tibial artery (D) Myotendinous attachments
200. 'Supermicrosurgery' is defined as anastomosis of vessels of:
(A) Less than 0.4 mm in size (B) Less than 0.6 mm in size
(C) Less than 0.8 mm in size (D) Less than 1.0 mm in size