

## AOD

### PROVISIONAL ANSWER KEY (CBRT)

Name of The Post	Associate 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 વેબસાઈટ 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 વેબસાઈટ 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 ઉત્તરવહીની 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. The term Plastic in Plastic Surgery comes from  
 (A) English (B) Greek  
 (C) French (D) Portuguese
002. In ancient times Nasal reconstruction by the arm flap was done by  
 (A) Tagliacozzi (B) Sushruta  
 (C) Harold Gillies (D) Bernard von Langenbeck
003. Who carried out the first successful epidermic graft on a human being, opening a new era in wound healing management  
 (A) Giuseppe Baronio (B) Carl Thiersch  
 (C) Louis Ollier (D) Jacques Reverdin
004. Harold Gillies (1882-1960) was  
 (A) Otolaryngologist (B) Orthopaedic Surgeon  
 (C) Plastic Surgeon (D) Maxillofacial surgeon
005. Which statement is incorrect about meta-analysis  
 (A) It is summation of multiple qualitative studies in order to increase sample size  
 (B) It has no disadvantages  
 (C) It allows researchers to reach a more reliable conclusions  
 (D) A meta-analysis is conducted using highest level of evidence
006. In a healing wound, neutrophil infiltration ceases after \_\_\_\_\_ of injury.  
 (A) Few Hours (B) Few days  
 (C) Few weeks (D) Few months
007. Granulation tissue formation occurs in which phase of wound healing  
 (A) Inflammatory phase (B) Proliferative phase  
 (C) Remodelling phase (D) None of these
008. In an average adult, skin is the largest organ of the human body, covering about  
 (A) 2000 Square inches (B) 3000 Square inches  
 (C) 4000 Square inches (D) 5000 Square inches
009. Which of the statement regarding wound healing is incorrect  
 (A) Bacterial loads  $> 10^5$  organism/gram of tissue are a threat to wound healing  
 (B) Direct oxygen supplementation improve wound healing  
 (C) Vitamins A, C and E are implicated in promoting proper tissue repair  
 (D) Healthy granulation tissue is deep red or gray
010. Which is not true about biofilms  
 (A) Biofilm state of microorganisms may lead to an increase in virulence  
 (B) In most biofilms, the microorganisms account for less than 10% of the dry mass  
 (C) In most biofilms the matrix can account for over 90%  
 (D) The architecture of biofilm is not influenced by hydrodynamic condition
011. In the Vancouver Scar Scale which of the following is not a variable  
 (A) Pigmentation (B) Vascularity  
 (C) Pliability (D) Width

012. What is common in Hypertrophic Keloid scar  
 (A) Both are fibroproliferative disorders of wound healing  
 (B) Both types of Scars overgrow the original wound edges  
 (C) Both types of scars are self limiting  
 (D) Complete excision with primary closure results in no recurrence
013. In Z-Plasty 100 % theoretical gain length is achieved with angles of  
 (A) 45 - 45 (B) 60 - 60  
 (C) 75 - 75 (D) 90 - 90
014. Which types of graft is related to John S Davis  
 (A) Split Thickness skin graft (B) Full thickness graft  
 (C) Pinch graft (D) Composite graft
015. Which of the following statement is incorrect regarding nerve injuries.  
 (A) Second degree nerve injuries recovery is complete  
 (B) Third degree injuries recover partially for different reasons  
 (C) Fourth- and Fifth - degree injuries do not recover  
 (D) Wallerian degeneration occur in all (I-VI) degree of nerve injuries
016. Classification of muscles on the basis of nerve supply types I is defined as  
 (A) Single unbranched nerve entering the muscle  
 (B) Single branched nerve entering the muscle  
 (C) Multiple branches from same nerve trunk  
 (D) Multiple branches from different nerve trunks
017. Classification of soleus muscles based on their nerve supply is type  
 (A) I (B) II  
 (C) III (D) IV
018. The names of Salmon, Manchot, Taylor and Morain are all associated with  
 (A) Microsurgery (B) Breast reconstruction  
 (C) Blood supply to skin (D) Nerve supply to skin
019. Which of the following muscles has three vascular territories  
 (A) Peroneus longus (B) Gastrocnemius  
 (C) Peroneus brevis (D) Tibialis anterior
020. Who was the first to use a pedicle flap for reconstruction.  
 (A) Albucasis (B) Claudius Galen  
 (C) Sushruta (D) Tagliacozzi
021. On the basis of Mathes and Nahai classification, which of the following muscles type IV?  
 (A) Internal oblique (B) Latissimus dorsi  
 (C) Sartorius (D) Tensor fascia lata
022. Which type of fasciocutaneous flaps are generally used as perforator flap in microsurgical transplantation  
 (A) Type A (B) Type B  
 (C) Type C (D) Type D

023. All are characteristics of chimeric flaps except  
 (A) Comprise of multiple flap territories  
 (B) Dependent on some common physical junction  
 (C) Each retaining their independent vascular supply  
 (D) All territories must have same type of tissue in the flap
024. Which of the following holds true regarding recommended surgical margin of non melanocytic tumors:  
 (A) 4 mm for low risk basal cell carcinoma    (B) 10 mm for high risk squamous cell carcinoma  
 (C) 20 mm for high risk sarcoma     (D) All of the above
025. What is Laser-Trelat?  
 (A) It is sudden appearance of multiple seborrheic keratoses  
 (B) It can be a paraneoplastic syndrome  
 (C) It is a ominous sign for internal malignancy  
 (D) All of the above
026. All of the following are malignant mesenchymal- origin tumors except  
 (A) Liposarcoma    (B) Rhabdomyosarcoma  
 (C) Leiomyosarcoma     (D) Merkel cell carcinoma
027. It is True for Hutchinson Freckle  
 (A) Raised and everted lesion    (B) Most commonly occur over abdomen  
 (C) It may turn in to invasive melanoma    (D) All of the above
028. Regarding M category of TNM staging of melanoma following is true?  
 (A) Site of disease and serum LDH level are taken in to consideration  
 (B) M1a patients have lung metastasis  
 (C) M1b patients have CNS metastasis  
 (D) M1c nodal metastasis
029. Regarding Melanoma all are true except  
 (A) Superficial spreading melanoma represents 50% to 80% of all the types  
 (B) On Sun exposed areas, lentigo maligna melanoma is common  
 (C) Nodular melanoma shoes radial growth pattern  
 (D) Lentigo maligna melanoma shoes more commonly horizontal growth
030. Which of the following is false regarding TNM staging of cutaneous melanoma  
 (A) T1 = >1.0 mm    (B) T2 = 1.01 - 2.0 mm  
 (C) T3 = 2.01 - 4.0 mm    (D) T4 = >4.0 mm
031. According to Baumann skin typing System (BSTS), how many types of skin are there?  
 (A) 14    (B) 15  
 (C) 16    (D) 17
032. Baumann Skin Typing System (BSTS), assesses skin based on all parameters except:  
 (A) Oily verse dry    (B) Sensitive versus resistant  
 (C) Pigmented versus non-pigmented;     (D) Soft vs tight

033. Microdermabrasion removes  
 (A) Most superficial layers of stratum corneum  
 (B) Whole of the stratum corneum  
 (C) Stratum corneum and part of stratum lucidum  
 (D) Stratum corneum with whole stratum lucidum
034. Marionette line occurs at  
 (A) Dorsum or lateral aspect of nose (B) A the glabella  
 (C) Lateral to lateral canthus of eye (D) A the angle of mouth
035. Types of botulinum toxins used medically are  
 (A) A & B (B) C & D  
 (C) E & F (D) E & G
036. Most important element for facial rejuvenation with botulinum toxin A is  
 (A) Dose of drug (B) Functional anatomy  
 (C) Technique of injection (D) Age of patient
037. True statement is  
 (A) LASER is polychromatic  
 (B) Intense pulse light (IPL) is monochromatic  
 (C) Mechanism by which laser are used to target is called selective photothermolysis  
 (D) Nd: YAG with wavelength 1320 nm is ablative laser
038. According to Fitzpatrick's scale all are true except  
 (A) Type 1 skin always tan nerve burn  
 (B) Type 2 skin tan only with difficulty and usually burn  
 (C) Types 4 skin rarely burn and tan with ease  
 (D) Type 6 skin tan very easily and nerve burn
039. Absolute contraindication for skin resurfacing is  
 (A) Recent Isotretinoin use (B) Acne scar  
 (C) Fitzpatrick skin type 2 (D) Old age
040. Infection after peeling is most commonly  
 (A) Bacterial (B) Viral  
 (C) Fungal (D) Mixed
041. Peel depth can be enhanced by  
 (A) Washing face with water  
 (B) Apply no pressure while applying the peel  
 (C) Perform a light peel or microdermabrasion before applying deeper peel  
 (D) Apply less volume of solution
042. For functional perspective face has  
 (A) Anterior and lateral aspect (B) Upper and lower half  
 (C) Upper, middle and lower segments (D) None of the above
043. How many concentric layers of the face are there?  
 (A) Two (B) Three  
 (C) Four (D) Five

044. Pitanguy line is surface marking for  
 (A) Buccal branch of facial nerve (B) Zygomaticus branch of facial nerve  
 (C) Temporal branch of facial nerve. (D) Main trunk of facial nerve
045. Most common plane of dissection for face lift procedure  
 (A) Subcutaneous level 2 (B) SubSMAS level 4  
 (C) Deep to deep fascia (D) None of the above
046. Most risky plane or dissection in facelift procedure which leads to injury to branches of facial nerve is  
 (A) Subcutaneous plane (B) SubSMAS plane  
 (C) Subperiosteal plane (D) None of the above
047. Ideal area for suture placement to fix the facelift flap is  
 (A) SMAS (superficial musculoaponeurotic system)  
 (B) PAF (Platysma auricular fascia)  
 (C) Temporoparietal fascia  
 (D) Deep fascia of face
048. Facial muscles which are most important to surgeon during facelift procedure are:  
 (A) Orbicularis oculi, Zygomaticus minor, Platysma  
 (B) Orbicularis oculi, Platysma, Zygomaticus major  
 (C) Orbicularis oris, Buccinator, Masseter  
 (D) Orbicularis oris, Orbicularis oculi, Zygomaticus major
049. Most common complication of facelift procedure is  
 (A) Skin necrosis (B) Infection  
 (C) Nerve injury (D) Hematoma
050. Indication of subperiosteal facelift  
 (A) Senile midface descent  
 (B) Lower lid malposition  
 (C) Repositioning the degloved midface mask after midface skeletal reconstruction  
 (D) All of the above
051. Most commonly injured nerve in necklift/facelift surgery  
 (A) Temporal branch of facial nerve (B) Zygomatic branch of facial nerve  
 (C) Great auricular nerve (D) Nerve of masseter
052. Knife grading is for  
 (A) Facial deformity (B) Neck deformity  
 (C) Brow deformity (D) Nose deformity
053. True regarding fat grafting  
 (A) Fat can be placed at different level to accomplish different effects  
 (B) Molding of fat should be avoided post placement  
 (C) Most common complication or adverse effect are aesthetic  
 (D) All of the above

054. Spreader graft indicated in primary rhinoplasty  
 (A) To recreate dorsal aesthetic line, widen the midvault and/or to correct deviated, nose  
 (B) To widen midvault only  
 (C) To widen midvault and to correct deviated nose only  
 (D) To improve tip projection
055. Orthorhinotics is a  
 (A) Principal of controlling nose shape by Elastic tape postoperatively  
 (B) Principal of distraction of nasal bone  
 (C) Principal of bone graft placement dorsal nasal deformity  
 (D) None of the above
056. Classification of alopecia is given by  
 (A) Norwood (B) Beek  
 (C) Hamilton (D) All of the above
057. Which of the following subcutaneous infiltration techniques used in a patient undergoing suction lumpectomy has an infiltrate-to-aspirate ratio of 1:1?  
 (A) Dry (B) Superwet  
 (C) Tumescant (D) Wet
058. In liposuction SAFE is acronym for  
 (A) Separation, Aspiration, Fractionation, Equalization  
 (B) Simple, Aspiration, Fat Equalization  
 (C) Separation, Aspiration, Fat Equalization  
 (D) Synergistic, Aspiration, Filtration, Equalization
059. True regarding abdominoplasty is  
 (A) Huger's zone 1 is supplied by deep epigastric artery arcade  
 (B) Huger's zone 3 is supplied by four lumbar and six intercostal artery,  
 (C) In standard abdominoplasty cutaneous blood supply is dependent upon zone 3  
 (D) All of the above
060. True regarding penile lengthening  
 (A) Suspensory ligament release alone may rarely increase flaccid penile length by 1 - 2 cm  
 (B) Complete suspensory ligament release is done  
 (C) After suspensory ligament release all patient definitely gain penile length  
 (D) There is no use of penile weight or stretching devices after suspensory ligament release
061. True regarding female genital aesthetic surgery is  
 (A) It is done for cosmetic and functional reasons  
 (B) Labia minora reduction cannot be done before 18 Year of age  
 (C) It is done only for cosmetic purpose  
 (D) Custom flask labiaplasty has been very helpful for very small labia minora
062. All are derivatives of 2<sup>nd</sup> pharyngeal arch except;  
 (A) Stapes (B) Greater horn of hyoid  
 (C) Lesser horns of hyoid (D) Styloid process

063. Which surgeon coined the term “lip of the hare”  
(A) LeMesurier (B) Hagedorn  
(C) Ambroise pare (D) Mirault
064. Which of the following is correct regarding cleft lip and palate?  
(A) The etiology of cleft lip and palate is thought to be multifactorial involving genetic and environment factors  
(B) The frontonasal prominence forms the forehead, nose, upper lip and the secondary palate  
(C) The medial nasal process gives rise to the whole of the nose and upper lip  
(D) Most cases of cleft lip/palate are syndromic
065. Choose the correct statement regarding the developmental anatomy of cleft lip and palate?  
(A) Lip develops between 4 - 10<sup>th</sup> weeks of intrauterine life  
(B) Passavants ridge is formed by musculus uvulae  
(C) Posterior tonsillar pillar is formed by salphinopharyngeus muscle  
(D) Levator veli palatine curve around pterygoid hamulus
066. Failure of fusion of which of the following structures give rise to a cleft lip?  
(A) Medial nasal prominence and lateral nasal prominence  
(B) Medial nasal process and maxillary process  
(C) Frontonasal prominence and lateral nasal prominence  
(D) Maxillary prominence and mandibular prominence
067. All of the following are current presurgical orthopedics options except  
(A) Simple lip tapping (B) Lip adhesion  
(C) Latham device (D) Head bonnet with an elastic strip
068. Which one of the following is correct regarding pre surgical orthopedics (PSO)  
(A) Latham device is a passive type of PSO  
(B) Latham device is used for mild deformities  
(C) Lip adhesion is an alternative to PSO  
(D) Nasoalveolar moulding does not align the alveolar arch
069. Definitive cheiloplasty with anterior palate repair is done at  
(A) 3 - 5 months (B) 6 - 9 months  
(C) 9 - 12 months (D) >1 Year of age
070. All true regarding maintaining postoperative nasal shape after cleft lip repair except:  
(A) Five conformers with increase height are used  
(B) Parents are instructed to change to smaller size on next dressing  
(C) Conformers are used at all times for 6 months to 1 Year  
(D) Co-operation and perseverance of the parents are required
071. Following are the postoperative instructions after cleft lip repair except  
(A) Arm braces to prevent elbow bending for 3 weeks  
(B) No pacifier for 3 weeks  
(C) Patients may breast feed normally  
(D) Permanent sutures are removed after 2 weeks



072. All of the following are true for procedures for bilateral cleft lip repair except  
 (A) Veau III – straight line repair  
 (B) LeMesurier – transposed bilateral quadrilateral flaps below prolabium  
 (C) Millard repair – used forked flap procedure for columellar lengthening  
 (D) Manchester repair – involves repair of orbicularis muscle in front of Prolabium
073. All of the following palatal muscles are supplied by pharyngeal plexuses except  
 (A) Levator veli palatani (B) Tensor veli palatani  
 (C) Musculus uvulae (D) Superior constrictor
074. Who was the first to advocate inclusion of the palatal periosteum in flaps to repair the cleft palate  
 (A) Dieffenbach (B) Fergusson  
 (C) Von Langenbeck (D) Stephenson
075. Which of the following muscle is involved in actively opening the esutachian tube orifice  
 (A) Levator veli palatine (B) Musculus uvulae  
 (C) Tensor veli palatani (D) Palatopharyngeus
076. Which of the following is incorrect regarding Calnan's triad  
 (A) Intact uvula (B) It is related to submucous cleft palate  
 (C) Palpable notch in posterior hard palate (D) Zona pellucid
077. According to Veau classification system of cleft Lip Palate, Group-II is  
 (A) Cleft of soft palate only  
 (B) Cleft of hard and soft palate extending up to incisive foramen  
 (C) Unilateral complete cleft  
 (D) Bilateral complete cleft
078. What is the best feeding modality for a patient with isolated cleft lip deformity  
 (A) Normal bottle with Haberman nipple (B) Squeezable bottle with a normal nipple  
 (C) Normal bottle/nipple or breast feeding (D) Mead-Johnson feeder
079. Which of the following techniques will help facilitate the feeding of a baby with a cleft lip and palate  
 (A) Elevated head positioning during feeding  
 (B) Use of a normal infant bottle and nipple  
 (C) Minimal burping  
 (D) Less number of feeding are advised
080. Technique which uses bipediced mucoperiosteal flaps for palate repair  
 (A) V-Y pushback (B) Furlow's double opposing Z plasty  
 (C) Von Langenback (D) Bardach repair
081. Which of the following is the most common pattern of closure for velopharyngeal port?  
 (A) Sagittal (B) Circular  
 (C) Oval (D) Coronal
082. Which of the following is the most reliable method in diagnosing VPI  
 (A) Speech evaluation (B) Lateral soft tissue x ray  
 (C) Flexible nasopharyngoscopy (D) Oral examination

083. Which of the following muscle is utilized to construct the sphincter during dynamic sphincter pharyngoplasty?  
 (A) Superior Pharyngeal constrictor (B) Palatoglossus  
 (C) Palatopharyngeus (D) Tensor veli Palatani
084. Which statement is true regarding secondary deformities after cleft lip repair  
 (A) Short lip or vertical deficiency is common after straight line repair  
 (B) Abbe flap is used to correct vertical shortening of upper lip  
 (C) Whistle deformity cannot be corrected by Z-Plasty  
 (D) Vertical excess or long lip is common after straight line repair
085. Method to prevent palatal fistula are all except  
 (A) Limited release of tensor veli palatine tendon  
 (B) Relaxing incisions  
 (C) Complete dissection of neurovascular bundle  
 (D) Gentle handling of tissue during dissection
086. Which of the following is the most lateral craniofacial cleft as per Tessier classification?  
 (A) Cleft 6 (B) Cleft 7  
 (C) Cleft 8 (D) Cleft 9
087. Which one of the following is the most common craniosynostosis  
 (A) Metopic (B) Sagittal  
 (C) Unilateral coronal (D) Bilateral coronal
088. One of the characteristic features of unilateral lambdoid synostosis that differentiates it from deformational plagiocephaly is  
 (A) Ipsilateral occipital flattening (B) Ipsilateral ear pushed anteriorly  
 (C) Ipsilateral ear pushed posteriorly (D) Frontal bossing
089. Trigonocephaly is due to premature fusion of which suture  
 (A) Sagittal suture (B) Metopic suture  
 (C) Lambdoid suture (D) Coronal suture
090. Which of the following is incorrect regarding Pfeiffer syndrome?  
 (A) Mode of inheritance is autosomal dominant  
 (B) Mutations in both FGFR1 and FGFR 2  
 (C) Presence of enlarged thumbs and halluces  
 (D) Also called as Acrocephalosyndactyly type I
091. Syndrome which is not associated with abnormalities of hand and feet  
 (A) Crouzen syndrome (B) Apert syndrome  
 (C) Pfeiffer syndrome (D) Muenke syndrome
092. Pruzansky classification is for deformity of  
 (A) Maxilla (B) Mandible  
 (C) Zygoma (D) Orbit
093. False statement regarding Pierre Robin sequence  
 (A) Clinical triad (Glossoptosis, Retrognathia, Airway Obstruction)  
 (B) Glossoptosis refers to an enlarged tongue  
 (C) Cleft palate is not obligatory  
 (D) No difference incidence in sex predilection except in the X linked cases

094. Most common tumor of infancy is:  
 (A) Infantile hemangioma (B) Congenital hemangioma  
 (C) Pyogenic granuloma (D) Arterial malformations
095. Most common site of extracranial AVM is :  
 (A) Head and neck (B) Limbs  
 (C) Trunks (D) Viscera
096. External angular dermoids usually lie along the trajectory of the Tessier cleft  
 (A) No. 8 (B) No. 9  
 (C) No. 10 (D) No. 7
097. Which of the following is not a criteria of Mangled extremity severity score (MESS)  
 (A) Skeletal/soft-tissue injury (B) Limb ischemia  
 (C) Shock (D) Pulse
098. The Surgical technique of total excision of lymphoedematous tissue and skin grafting is known as :-  
 (A) Thompson procedure (B) Sistrunk's operation  
 (C) Homan's Procedure (D) Charle's procedure
099. The supermicrosurgery technique is defined microsurgical anastomosis of vessels, with a diameter of  
 (A) <0.8 mm (B) 1 - 2 mm  
 (C) 2 - 3 mm (D) 2 - 4 mm
100. Which of the statement is correct regarding blood supply of breast  
 (A) Internal mammary artery perforators (B) Lateral thoracic artery  
 (C) Thoracodorsal artery (D) Thoracoacromial artery
101. Of the lumbrical muscle, all statements are true except:  
 (A) It has no attachment to bone. (B) It flexes the MCP joint.  
 (C) It extends the PIP joint. (D) It is an abductor of the digit.
102. All are true about supply of upper limb except-  
 (A) Brachial artery branches into radial and ulnar artery  
 (B) Radial artery is content of anatomical snuff artery  
 (C) Deep palmar arch is formed by ulnar artery  
 (D) Ulnar artery travels through Guyon's canal
103. The posterior interosseous innervates all except-  
 (A) The extensor indicis proprius (EIP)  
 (B) The extensor carpi ulnaris (ECU)  
 (C) The extensor digitorum communis (EDC)  
 (D) The extensor carpi radialis longus (ECRL)
104. Following are clinical signs tests for ulnar nerve function except –  
 (A) Jeanne's sign (B) Phalen's test  
 (C) Froment's test (D) Wartenberg sign

105. Which statement is incorrect regarding Moberg's pick-up test  
 (A) To evaluate the motor and sensory function of the hand  
 (B) This test is applied to patients with median nerve injuries  
 (C) This test is applied to patients with ulnar and median nerves injuries  
 (D) Injury of radial nerve
106. The thenar crease flap is most useful for coverage of finger-tip injuries of  
 (A) Index finger & Long finger (B) Thumb  
 (C) Ring finger (D) Little finger
107. Kite flap is another name of –  
 (A) Cross-finger flap (B) Thenar flap  
 (C) Littler island flap (D) First dorsal metacarpal artery flap
108. Which of the following is incorrect regarding flexor tendon repair  
 (A) Primary tendon repair is the end-to-end repair performed within 24 hours  
 (B) Delayed primary repair is performed within 3 - 4 weeks  
 (C) Delay of the repair beyond 3 - 4 weeks may cause myostatic shortening  
 (D) Rupture of the repaired flexor tendons after surgery cannot be repaired
109. Contraindications of primary repair of flexor tendon are all except-  
 (A) Severe wound infection  
 (B) Bony injuries involving multiple joint components  
 (C) Several days after tendon laceration  
 (D) Destruction of series of annular pulleys and lengthy tendon defects
110. Following are strong indications for replantation in upper limbs except –  
 (A) Multiple digital amputations  
 (B) Multiple segmental injuries in amputated part  
 (C) Single digit amputation distal to FDS insertion  
 (D) Any amputated part in child
111. A 43-Year-old woman has a pinpoint area of tenderness at the base of the nail of the left ring finger. The area is painful to touch and sensitive to cold. Physical examination of the finger shows a deformity of the nail plate. Which of the following is the most likely diagnosis?  
 (A) Epidermal inclusion cyst (B) Ganglion cyst  
 (C) Giant cell tumour (D) Glomus tumour
112. Which of the following is NOT a cardinal sign as described by Kanavel in flexor tenosynovitis?  
 (A) Fusiform swelling (B) Intense pain on passive flexion of digit  
 (C) Flexed posture of digit (D) Disproportionate pain on passive extension
113. All about Dupuytren's disease are true except –  
 (A) Most commonly affects the ring finger  
 (B) Affects the ulnar side of the hand more commonly  
 (C) Hugh Johnson sign  
 (D) Commonly involve Cleland's ligaments
114. Volkmann's angle is used in Cerebral Palsy to assess –  
 (A) Tightness of digital flexor tendons (B) Tightness of wrist flexors  
 (C) Tightness of intrinsic muscles (D) Tightness of pronator muscle

115. Which amongst the following structure pass through the carpal tunnel?  
 (A) Tendon of flexor carpi radialis                      **(B) Median nerve**  
 (C) Ulnar nerve    (D) Tendon of flexor carpi ulnaris
116. Which of the following statement is incorrect regarding of the ulnar nerve compression in Guyon's canal  
 (A) Compression in the first part results in sensory and motor palsy.  
 (B) Compression in the third part results in sensory symptoms only.  
 (C) Compression in the first portion of the second part results in motor symptoms.  
**(D) There is no role of Allens test.**
117. Wartenberg's syndrome all true except –  
 (A) Is a syndrome describing pain over dorsoradial aspect of hand  
 (B) Preceding history of trauma to the area (handcuffs)  
 (C) Finkelstein test is positive  
**(D) Involves both the superficial and deep branch of the radial nerve**
118. Which of the following is correct regarding congenial trigger thumb?  
 (A) It is stenosing sinovites of EPL Tendon  
 (B) The obstruction is usually at A2 Pulley  
**(C) Notta's Node is felt as click as the tendon glides beneath the pulley**  
 (D) Trigger Thumb release to be done before 12 Months
119. According to Blauth classification of the hypoplastic thumb, a pouce flottant or floating thumb is  
 (A) Type I    (B) Type II  
**(C) Type IV**    (D) Type V
120. In surgical treatment of thumb hypoplasia causing weak palmar abduction, following muscles transfer is used  
 (A) Abductor digit quiniti minimi (ADQM) transfer  
 (B) FDS of long finger  
 (C) FDS of ring finger  
**(D) All of the above**
121. Which of the following is incorrect regarding syndactyly?  
 (A) Syndactyly is one of the most common congenial hand malformations  
 (B) Familial syndactyly is reported in 15 - 40% of syndactylies  
**(C) Females are more affected than males**  
 (D) Syndactyly can be associated with Polydactyly and /or clefting
122. All are true regarding Poland syndrome except:  
 (A) Absence of the sternocostal portion of the pectoral major muscle  
**(B) There is a female predominance**  
 (C) Hypoplastic arm, and a hypoplastic hand with a simple syndactyly of all webs  
 (D) The most prevailing theory focuses on the interruption of blood supply to the limb bud in the sixth week of gestation
123. Which of the following is correct about symphalangism?  
 (A) Autosomal recessive    **(B) Most commonly PIP joint is fused**  
 (C) Associated with blindness    (D) Associated with weber syndrome

124. Regarding Vessel classification, incorrect statement is :
- (A) It is based on radiological findings  
 (B) In Type IV the level of duplication is at MCP joint  
 (C) It is used for Ulnar (Postaxial) Polydactyly  
 (D) In type V the level of duplication is at metacarpal
125. In camptodactyly, the most affected finger is :
- (A) Index (B) Ring  
 (C) Middle (D) Little
126. According to Utpon, Type III macrodactyly is
- (A) Macrodactyly associated hyperostosis  
 (B) Macrodactyly associated with neurofibromatosis  
 (C) Macrodactyly with lipofibromatosis of a nerve, static or progressive  
 (D) Macrodactyly associated hemihypertrophy
127. Most common finger involved in macrodactyly is:
- (A) Index (B) Ring  
 (C) Middle (D) Little
128. Which amongst the following nerves is used for nerve transfer in brachial plexus reconstruction?
- (A) Trigeminal nerve (B) Spinal assessor nerve  
 (C) Vagus nerve (D) Glossopharyngeal nerve
129. In tendon transfer, whenever possible tendon junctures are performed using
- (A) Pulvertaft weave technique (B) Kessler technique  
 (C) Modified Kessler technique (D) Tsuge technique
130. Of the following deficits seen in radial nerve palsy, which is essential for every basic hand function?
- (A) Thumb extension  
 (B) Wrist extension  
 (C) Extension of the metacarpophalangeal (MP) joint  
 (D) Stabilization of the base of the thumb for effective pinch
131. Which of the following tendon is used in Bunnell opponensplasty?
- (A) ECU (B) ECRL  
 (C) PT (D) FDS (ring finger)
132. Which of the following muscles is supplied by all the nerve roots in the brachial plexus (C5-T1)
- (A) Triceps (B) Latissimus dorsi  
 (C) Deltoid (D) Pectoralis major
133. The presence of Horner's syndrome in a patient with brachial plexus injury strongly suggest –
- (A) C5 and C6 root avulsion (B) C6 and C7 root avulsion  
 (C) C7 and C8 root avulsion (D) C8 and T1 root avulsion
134. Steindler's procedure in Brachial plexus is done for –
- (A) Elbow deformity reconstruction (B) Shoulder deformity reconstruction  
 (C) Hand deformity reconstruction (D) Forearm deformity reconstruction

135. A 60-Year-old lady sustained a colle's fracture of the right wrist, which was treated in a Plaster of Paris cast. A few weeks after removal of the plaster she noticed difficulty in extending the right thumb. The most likely cause is –
- (A) Compression neuropathy of posterior interosseous nerve
  - (B) Transaction of posterior interosseous nerve
  - (C) Adhesion of extensor pollicis longus tendon to fracture callus
  - (D) Rupture of extensor pollicis longus tendon**
136. True for Dog-ear
- (A) They result due to short elliptical excision**
  - (B) They result due to short wedge excision
  - (C) Dog ears disappear on their own
  - (D) There is deficiency of skin and subcutaneous fat at the ends of a closure
137. Which statement is correct for primary contraction of a skin graft
- (A) It is the immediate recoil of freshly harvested graft**
  - (B) It is not a result of the elastin in the dermis
  - (C) It is more experienced in split thickness graft than full thickness graft
  - (D) lesser the dermis in the graft greater the primary contraction
138. "Kissing" capillaries are seen in the following phase of graft take.
- (A) At the time of laying down the graft on the recipient bed
  - (B) Phase of serum imbibitions
  - (C) Inosculatory phase
  - (D) Phase of revascularization**
139. Following are the flaps that rotate about a pivot point, except.
- (A) V-Y advancement flap**
  - (B) Interpolation flap
  - (C) Rotation flap
  - (D) Transposition flap
140. The Limberg flap is a type of
- (A) Transposition flap**
  - (B) Interpolation flap
  - (C) Rotation flap
  - (D) Advancement flap
141. Following requirements are essential for a Limberg's flap except.
- (A) The adjacent skin should be loose
  - (B) The defect may be in any shape**
  - (C) The opposing angle are of equal size
  - (D) It should have angles of 60 and 120 degree
142. In a mixed nerve injury, the best result can be obtained by adhering to the following.
- (A) Repair should be done without tension
  - (B) The ends should be without rotation
  - (C) A grouped fascicular repair
  - (D) Epineural repair is adequate**
143. The most aggressive type of Basal cell carcinoma is
- (A) Nodular
  - (B) Superficial
  - (C) Morpheaform**
  - (D) Delayed for 3 months
144. Which of the following statement is incorrect for marjolin's ulcer
- (A) It is a squamous cell carcinoma
  - (B) It develops in an area of chronic inflammation and scarring
  - (C) It also develops in post radiation exposure
  - (D) It easily spread to regional lymph nodes**

145. Which of the following is not a clinical feature of full thickness burn  
 (A) Brown, black surface (B) Presence of blisters  
 (C) Leathery look (D) Insensate
146. The estimation of TBSA area in burns is more precise with  
 (A) The Lund and Browder chart (B) Wallace rule of Nine  
 (C) Rule of palm (D) None of the above
147. The commonly used formula for fluid resuscitation in extensive burn is,  
 (A) Evan's formula (B) Brooke army formula  
 (C) Parkland's formula (D) Modified Parkland's formula
148. Normal saline (Sodium chloride) is not used in extension burns because of.  
 (A) Hypo natraemia (B) Hyper natraemia  
 (C) Hypo kalaemia (D) Hyperchloremic acidosis
149. In the management of chemical burns, the following first aid should be done except.  
 (A) Removal of the inciting agent  
 (B) Contaminated clothes should be removed  
 (C) Neutralization of the inciting agent should be done  
 (D) Affected skin should be copiously irrigated with water
150. Following signs and symptoms are commonly present in zygomatic fracture, except  
 (A) Diplopia (B) Involvement of infraorbital nerve  
 (C) Increased malar prominence (D) Enophthalmos
151. The definitive diagnosis of compartment syndrome in leg made by  
 (A) Pain on passive flexion or extension (B) Pain disproportionate to the injury  
 (C) Palpably swollen or tissue compartment (D) Measuring the compartment pressure
152. All true about charcot deformities of the joints except  
 (A) Diabetic Neuroarthropathy (B) Only tarsometatarsal joints are involved  
 (C) Accompanied by synovitis and effusion (D) Collaps of the medial longitudinal arch
153. The commonest type of primary lymphoedema is  
 (A) Lymphoedema praecox (B) Lymphoedema congenital  
 (C) Lymphoedem trada (D) Miliary disease
154. The purpose of research is  
 (A) To discover answer to questions through the application of scientific procedures  
 (B) To find out the truth which is hidden and which has not been discovered as yet  
 (C) Not to test a hypothesis of a causal relationship between variable  
 (D) To gain familiarity with a phenomenon or to achieve new insights into it
155. Boxer's fracture is fracture of the metacarpal  
 (A) Long finger shaft fracture (B) Long finger neck fracture  
 (C) Small Finger Shaft fracture (D) Small finger neck fracture
156. Fracture of the mandible running from above, downwards and posteriorly are classified as :-  
 (A) Horizontally favourable (B) Horizontally unfavourable  
 (C) Vertically favourable (D) Vertically unfavourable



157. The broadest annular pulley in the finger is :-  
 (A) A1  (B) A2  
 (C) A3  (D) A4
158. Number of cruciate pulleys in the finger is –  
 (A) 2  (B) 3  
 (C) 4  (D) 5
159. The most critically located and functionally important pulleys in fingers are :-  
 (A) A1 and A3  (B) A2 and A4  
 (C) A3 and A5  (D) A2 and A3
160. The “crossed finger’s sign” evaluates the function of the following muscles :-  
 (A) 1<sup>st</sup> dorsal interosseus & the 2<sup>nd</sup> palmar interosseus  
 (B) 1<sup>st</sup> palmar interosseus & the 2<sup>nd</sup> dorsal interosseus  
 (C) 1<sup>st</sup> & 2<sup>nd</sup> palmar interosseus  
 (D) 1<sup>st</sup> & 2<sup>nd</sup> dorsal interosseus
161. Which of the following is NOT amongst the antioxidants featured in skin care Products ?  
 (A) Vitamin A  (B) Vitamin C  
 (C) Vitamin E  (D) Ferulic acid
162. 80% of facial aging is attributed to :-  
 (A) Cigarette smoke  (B) Solar exposure  
 (C) Poor nutrition  (D) Other Pollution
163. Level of placement of synthetic injectable fillers is :-  
 (A) Superficial to deep dermis  (B) Dermoepidermal junction  
 (C) Superficial dermis  (D) Deep dermis or subcutaneous
164. The most common ectracutaneous site for Infantile Haemangioma is :-  
 (A) Brain  (B) Bone  
 (C) Liver  (D) Muscle
165. In the mechanisms of skin graft take, The term “Serum imbition” was given by :-  
 (A) Hucbscher & Goldmann  (B) Converse et al  
 (C) Fuchs E  (D) Boyce et al
166. Which of the following statement is correct :-  
 (A) Superficial & deep veins follow arteries  
 (B) Superficial & deep veins follow nerves  
 (C) Superficial Veins follow arteries and deep veins follow nerves  
 (D) Superficial veins follow nerves and deep veins follow arteries
167. If PIP joint of the finger is more easily flexed when the MP joint is kept extended than when it is flexed, it signifies :-  
 (A) Tightness of the extrinsic muscles  (B) Laxity of the extrinsic muscles  
 (C) Tightness of the interosseous muscle  (D) Laxity of the interosseous muscle
168. The Semmes-Weinstein test evaluates the skin of the fingers for :-  
 (A) Static two-point discrimination  (B) Moving two-point discrimination  
 (C) Stimuli of the cold/heat  (D) Pressure perception

169. Stimuli generated by the static two-point discrimination test are mainly sensed by.  
 (A) Meissner corpuscle (B) Pacinian corpuscle  
 (C) Merkel cell (D) None of the above
170. The fixed unit of the hand, consist of distal carpal row and :-  
 (A) Second and third metacarpal (B) Third and fourth metacarpal  
 (C) Second, third and fourth metacarpal (D) Third, fourth and fifth metacarpal
171. The term “No man’s land” to describe the region where the flexor tendon passes through the digital sheath was used by:-  
 (A) Claude Verdau (B) Harold Kleinert  
 (C) Bunnel (D) Bruner
172. Disappearance of pain from glomus tumor under a nail, after a tourniquet is placed on the proximal arm is :-  
 (A) Love test (B) Wartenberg sign  
 (C) Hildreth sign (D) Boa’s sign
173. Cultured epidermal autograft grown from the patient’s own keratinocytes is :-  
 (A) Apligraf  (B) Epicel  
 (C) Alloderm (D) Dermagraft
174. The approximate number of cells in a 1cm mass, will be :-  
 (A)  $10^6$  Cells (B)  $10^7$  Cells  
 (C)  $10^8$  Cells  (D)  $10^9$  Cells
175. The first branchial arch gives rise to all of the following, except :-  
 (A) Maxilla (B) Zygoma  
 (C) Muscles of mastication  (D) Facial Muscles
176. Cleft patients present with a maxilla that is deficient in :-  
 (A) Vertical dimension (B) Sagittal dimension  
 (C) Transfer dimension  (D) All three dimensions
177. The term “Orbital hypertelorism” is credited to :-  
 (A) David Greig (B) Van der Meulen  
 (C) Mulliken (D) Paul Tessier
178. Biologic activity of VEGF, a growth factor present at the wound site, is :-  
 (A) Granulation tissue formation (B) Collagen synthesis  
 (C) Collagenase synthesis  (D) Angiogenesis
179. The major fibrillar collagens composing the extracellular matrix in skin and scar are:-  
 (A) Collagen types I & II  (B) Collagen Types I & III  
 (C) Collagen Types III & V (D) Collagen Types V & XI
180. Superficial chemical peels for facial resurfacing are typically accomplished with :-  
 (A) Trichloroacetic acid, 20% - 35% concentration  
 (B) Glycolic acid  
 (C) Phenol  
 (D) All of the above

181. Clostridium botulium is a :-  
 (A) Gram-positive aerobic bacterium (B) Gram-positive anaerobic bacterium  
 (C) Gram-negative aerobic bacterium (D) Gram-negative anaerobic bacterium
182. Biological filler Cymetra is derived from  
 (A) Human cadaver dermis (B) Human cadaver derived Collagen matrix  
 (C) Porcine collagen matrix (D) Bovine Collagen
183. Which of the following is synthetic filler?  
 (A) Zyderm (B) Restylane  
 (C) Perlane (D) Sculptra
184. Pectoralis major myocutaneous flap was introduced by  
 (A) Bakamjian (B) Ariyan  
 (C) Yang (D) Song et al
185. The deltopectoral flap was popularised by  
 (A) Ariyan (B) Song et al  
 (C) Yang (D) Bakamjian
186. Commonest order of ossification of carpal bones is :-  
 (A) Capitate, Triquetrum, Lunate, Hamate (B) Capitate, Hamate, Triquetrum, Lunate  
 (C) Capitate, Lunate, Hamate, Triquetrum (D) Capitate, Lunate, Triquetrum, Hamate
187. Finger nails grow faster than toe nails at a rate of :-  
 (A) 2 : 1 (B) 3 : 1  
 (C) 4 : 1 (D) 5 : 1
188. As compared to normal skin, tensile strength of a closed incisional wound at 6 weeks is :-  
 (A) 45% that of normal skin (B) 55% that of normal skin  
 (C) 70% that of normal skin (D) 85% that of normal skin
189. In an open wound in humans, wound contraction is greatest in the :-  
 (A) Superior extremity (B) Inferior extremity  
 (C) Trunk & perineum (D) Head & neck
190. Medications to be avoided in the 2 weeks prior to the surgery include the following, except :  
 (A) Aspirin (B) Ibuprofen  
 (C) Vitamin A (D) Vitamin E
191. The predominant tumor of parotid gland in children.  
 (A) Oncocytoma (B) Haemangioma  
 (C) Pleomorphic adenoma (D) Monomorphic adenoma
192. The incidence of benign parotid gland tumor is :-  
 (A) 20% (B) 40%  
 (C) 60% (D) 80%
193. Collagen is the principal component of the dermis and accounts for approximately  
 (A) 30% of the dry weight of skin (B) 50% of the dry weight of skin  
 (C) 75% of the dry weight of skin (D) 90% of the dry weight of skin
194. To expand the forehead skin, the plane of placement of expander is :-  
 (A) Subcutaneous (B) Superficial to frontalis muscle  
 (C) Deep to frontalis muscle (D) Deep to the periosteum

195. Cleft palate without cleft lip is associated with a syndrome in :-  
(A) 30% of cases (B) 40% of cases  
(C) 50% of cases (D) 60% of cases
196. According to Pittsburgh cleft palate fistula classification, Type III fistula is located at :-  
(A) Soft palate (B) Soft & hard palate junction  
(C) Hard Palate (D) Incisive foramen
197. Cranial to facial ratio in a child at birth is :-  
(A) 2 : 1 (B) 3 : 1  
(C) 6 : 1 (D) 8 : 1
198. Epithelial cell culture autografts were first introduced in 1975 by :  
(A) Rheinwald & Green (B) Fiona Wood et al  
(C) Boyce et al (D) Fuchs E
199. The least expansile of the four major compartments of the leg is the :-  
(A) Anterior compartment  
(B) Lateral compartment  
(C) Posterior compartment, superficial layer  
(D) Posterior compartment, deep layer
200. Shape of an expander that provides most effective gain of surface area in expanded skin  
(A) Round (B) Rectangular  
(C) Crescent shaped (D) Pear shaped