

ATY

PROVISIONAL ANSWER KEY (CBRT)

Name of the post	Assistant Professor, Skin and V. D. GSS, Class-1
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Question No.	001 -200 (Concern Subject)
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THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 08-07-2021; 04:00 PM ONWARDS	

Instructions / સૂચન

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

- (1) All the suggestion should be submitted through **ONLINE OBJECTION SUBMISSION SYSTEM** only. Physical submission of suggestions will not be considered.
- (2) Question wise suggestion to be submitted in the prescribed format (proforma) published on the website / online objection submission system.
- (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 / online objection submission system. 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 should be made on separate sheet. Objection for more than one question in single sheet shall not be considered.

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

- (1) ઉમેદવારે વાંધા-સૂચનો ફક્ત ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ દ્વારા જ સબમીટ કરવાના રહેશે. રૂબરૂ અથવા ટપાલ દ્વારા આયોગની કચેરીએ મોકલવા આવેલ વાંધા-સૂચનો ધ્યાને લેવામા આવશે નહીં જેની ખાસ નોંધ લેવી.
- (2) ઉમેદવારે વાંધા-સૂચનો રજૂ કરવા વેબસાઇટ / ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ પર પ્રસિધ્ધ થયેલ નિયત નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્રમાં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચનો ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે 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-સૂચનો ધ્યાનમા લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચનો પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

Website link for online objection submission system : http://150.129.165.5/GPSC_Suggestion/

001. All the following are true regarding elliptical excision except:
 (A) Length of the ellipse is at least 2 times its total width
 (B) The angle at each of the apices is 30°
 (C) Incision lines are placed in relaxed skin tension lines
 (D) Long axis of the ellipse is oriented perpendicular o free margins.
002. Aplasia cutis congenita occurs if the mother has taken which of the following medication?
 (A) Lithium (B) Warfarin
 (C) Methimazole (D) Propranolol
003. Most common cause of shoe contact dermatitis?
 (A) Carba mix (B) Thiuram mix
 (C) 2-Mercaptobenzothiazole (D) Formaldehyde
004. Which of the following is true?
 (A) UVB erythema reaches a maximum in 24–36 h
 (B) Immediate pigment darkening is brought about by UVA and visible light
 (C) Delayed tanning occurs due to UVA
 (D) The chromophore involved with UVB erythema are melanosomes
005. Caterpillar bodies are seen in
 (A) Dyskeratosis congenita (B) Amyloidosis
 (C) Porphyria cutanea tarda (D) Lipoid proteinosis
006. The ragged cuticle seen in dermatomyositis is also known as
 (A) Candy cane nails (B) Samitz sign
 (C) Ventral pterygium (D) Plummer's sign
007. How long is the life cycle of scabies mite?
 (A) 60 days (B) 30 days
 (C) 6 months (D) 1 year
008. Skin biopsy from the nodule over lumbar spine of a newborn reveals a lipoma. What would be your next appropriate step?
 (A) Observation (B) Genetic testing
 (C) Imaging study (D) Excision of the lesion
009. Banana fingers in leprosy is a
 (A) Specific deformity (B) Paralytic deformity
 (C) Vascular deformity (D) Anesthetic deformity
010. In a BCC measuring <2 cm in diameter, what is the tumor-free margin considered?
 (A) 4 mm (B) 5 mm
 (C) 1.5 mm (D) 8 mm
011. What is the peculiar side effect of Valacyclovir which becomes prominent at doses >8 g/day, especially in immunocompromised patients?
 (A) Thrombotic microangiopathy (B) Renal failure
 (C) Vomiting (D) Mental changes
012. Diamond, Feinberg, Whittington, and Kupferberg media are used for culturing which organism?
 (A) Gonococci (B) Candida
 (C) Trichomonas vaginalis (D) Haemophilus ducreyi

013. Which of the following is a human metabolite with inhibitory effect on *M. leprae*?
 (A) Diarylquinoline (B) Deoxyfructo-serotonin
 (C) Diuciphon (D) Rifapentine
014. What is the plasma viral load cutoff above which the HIV patient is declared as having virological failure?
 (A) 1200 (B) 1000
 (C) 2000 (D) 5000
015. The classic dermoscopic criteria for _____ are milia-like cysts and comedo-like openings. In addition, there will be fissures, moth-eaten borders, sharp demarcation, and hairpin blood vessels
 (A) Verruca vulgaris (B) Acrochordon
 (C) Seborrheic keratosis (D) Melanocytic nevus
016. Which of the following peel is derived from bitter almond?
 (A) Lactic acid (B) Mandelic acid
 (C) Phenol peel (D) Jessner's peel
017. Which targeted therapeutic agent used in the treatment of melanoma can produce vitiligo as a side effect?
 (A) Trametinib (B) Nivolumab
 (C) Ipilimumab (D) Vemurafenib
018. Lofgren's syndrome is seen in association with
 (A) Erythema nodosum (B) Erythema multiforme
 (C) Erythema infectiosum (D) Erythema migrans
019. Warning sign of impending relapse in Hodgkin's lymphoma is
 (A) Erythema nodosum (B) Erythema multiforme
 (C) Erythema gyratum repens (D) Erythema chronicum migrans
020. Which of the following is a manifestation of psoriasis of the nail matrix?
 (A) Splinter hemorrhages (B) Oil spots
 (C) Subungal hyperkeratosis (D) Pits
021. Hypocomplement syndrome comprises of all except
 (A) Obstructive pulmonary disease and uveitis
 (B) Systemic lupus erythematosus
 (C) Sjogren's syndrome
 (D) Erythema multiforme
022. Action spectrum of solar urticaria
 (A) 290-500 nm (B) 500-720 nm
 (C) 680-760 nm (D) 550-720 nm
023. Drug of choice for T capitis caused by *Microsporium* species
 (A) Itraconazole (B) Terbinafine
 (C) Griseofulvin (D) Fluconazole
024. MRI appearance of 'dot in circle' is seen in which of the following:
 (A) Botryomycosis (B) Actinomycetoma
 (C) Actinomycosis (D) Sporotrichosis

025. Seborrhoeic dermatitis is frequently seen in association with:
 (A) Diabetes mellitus (B) Parkinsonism
 (C) Hypertension (D) Lipid storage disorders
026. Which of the following is found more commonly in HIV :
 (A) White superficial onychomycosis
 (B) Total dystrophic onychomycosis
 (C) Proximal subungual onychomycosis
 (D) Both White superficial onychomycosis & Proximal subungual onychomycosis
027. The most sensitive and recommended test for diagnosis of non-gonococcal urethritis is
 (A) ELISA (B) Gram stain on urethral swab or first void urine
 (C) NAAT (D) Culture
028. Olympian brow is a feature of
 (A) CMV inclusion disease (B) Congenital syphilis
 (C) Hyper Ige syndrome (D) Congenital varicella syndrome
029. All are true about syphilis except :
 (A) Seropositive infant is not treated at birth if mother was treated in last trimester
 (B) For neurosyphilis, CSF - FTA - Abs is sensitive, VDRL is diagnostic but CSF pleocytosis is the best guide for response to treatment
 (C) HIV seropositive patients are less likely to become VDRL non-reactive after treatment
 (D) Sulphonamides & quinolones are 2nd line drugs
030. Secretion of the following interleukin triggers follicular keratinocyte proliferation in acne
 (A) IL 4 (B) IL 6
 (C) IL 1 (D) IL 10
031. A 25 year old female presented with nodulocystic acne and hair loss with widened central parting. The drug of choice would be:
 (A) Oral Isotretinoin (B) oral minocycline
 (C) Oral Finasteride (D) Oral cyproterone acetate
032. Mongolian spots in newborns occur due to defect in migration of melanocytes at neural crest. This occurs at:
 (A) Level of neural crest (B) High dermal
 (C) Mid dermal (D) Low dermal
033. A young female presented with fever and nodular lesions over shins. Histopathology showed foamy histiocytes with neutrophilic infiltrate and without vasculitis. What is the most likely diagnosis.
 (A) Sweets syndrome (B) Erythema nodosum
 (C) Erythema nodosum leprosum (D) Behcets disease
034. Sweat glands of palms can be differentiated from others by
 (A) High chloride content (B) Secretion stimulated by emotional stimuli
 (C) Adrenergic mediators control secretion (D) Cholinergic mediators control secretion
035. Forscheimer sign is classically seen in
 (A) Rubella (B) Rubeola
 (C) Roseola infantum (D) Hand foot mouth disease

036. Bywaters lesion (nail fold infarct) is seen in
 (A) Rheumatoid arthritis (B) Psoriatic arthritis
 (C) Gonococcal arthritis (D) Osteoarthritis
037. “Jet with contrail appearance” is seen on dermoscopy in
 (A) Scabies (B) Superficial dermatophytosis
 (C) Demodicidosis (D) Cutaneous larva migrans
038. Hanging curtain sign is seen in:
 (A) PLEVA (B) PLC
 (C) P rosea (D) Lichen planopilaris
039. Schwartzmann phenomenon is seen in :
 (A) Syphilis (B) Gonorrhoea
 (C) Meningococemia (D) Kawasaki disease
040. Griseofulvin is C/I in
 (A) Porphyria (B) SLE
 (C) Liver failure (D) All
041. Pili Annulati is associated with which of the following syndromes?
 (A) Netherton (B) PIBIDS
 (C) Hidrotic ectodermal dysplasia (D) Alopecia areata
042. Isotretinoin has drug interactions with which of these drugs
 (A) Rifampicin (B) Gemfibrozil
 (C) Tetracycline (D) All of the above
043. Fabry’s disease shows all except:
 (A) Vascular keratotic papules (B) Soft yellow plaques on eyelids
 (C) Renal failure (D) Cardiovascular episodes
044. For screening of infant born to HIV positive mother, test of choice is
 (A) HIV 1 DNA PCR (B) HIV 1 RNA PCR
 (C) P 24 Ag detection (D) ELISA
045. Pseudoscleroderma is seen in:
 (A) Porphyria cutanea tarda (B) Progeria
 (C) Rheumatoid arthritis (D) All of the above
046. Which of the following is not seen in measles
 (A) Comby’s sign (B) Koplik’s spots
 (C) Forschheimer’s spots (D) Warthin Finkeldey cells
047. In an HIV seropositive person, eosinophilic folliculitis occurs at a CD 4 count less than:
 (A) 100 (B) 200
 (C) 50 (D) 400
048. Congenital Varicella Syndrome occurs after maternal varicella infection during which stage of pregnancy?
 (A) First 20 weeks (B) Third trimester
 (C) 5 days before and 2 days after delivery (D) 20-24 weeks

049. The combination of poliosis, uveitis, deafness, and vitiligo are characteristic of which of the following conditions?
 (A) Piebaldism (B) Waardernburg syndrome
 (C) Cronkhite-Canada syndrome (D) Vogt-Koyanagi-Harada syndrome
050. The “ragged cuticle” seen in dermatomyositis is also known as:
 (A) Samitz sign (B) Ventral pterygium
 (C) Plummers sign (D) Candy-cane nails
051. Catagen hairs make up for less than 1% of the hair. This phase lasts for:
 (A) 2-3 weeks (B) 4-6 weeks
 (C) 8-10 weeks (D) 10-12 weeks
052. Which of the following is an autosomal recessive disorder characterized by pili torti and deafness?
 (A) Waardenburg Syndrome (B) Sjorgen-Larsson Syndrome
 (C) Refsum Disease (D) Bjornstad’s Syndrome
053. Tricholemmoma is which type of hair follicle tumor?
 (A) Tumor of the hair germ cells (B) Tumors of matrical differentiation
 (C) Tumors of the external root sheath (D) Tumor of the internal root sheath
054. What is the most common underlying cause of erythronychia:
 (A) Melanoma (B) Myxoid cyst
 (C) Subungual keratoacanthoma (D) Onychopapilloma
055. Which of the following is a well known cause of onychomadesis
 (A) Rheumatic fever (B) Kawasaki disease
 (C) Systemic T cell lymphoma (D) Hand, foot, mouth disease
056. Which of the following medications causes painful keratotic papules?
 (A) methotrexate (B) hydroxyurea
 (C) sorafenib (D) capecitabine
057. Acneiform eruptions have been associated with which of the following vitamins?
 (A) Vitamin C (B) Vitamin E
 (C) Vitamin B12 (D) Biotin
058. Patients taking methotrexate should avoid which of the following medications?
 (A) ketoconazole (B) trimethoprim
 (C) acyclovir (D) rifampin
059. Patients with psoriasis treated with cyclosporine should be monitored for:
 (A) Sicca symptoms (B) Hypermagnesemia
 (C) Alopecia (D) Hyperkalemia
060. Which of the following blocks both -UVA and UVB?
 (A) Avobenzone (B) PABA
 (C) Octocrylene (D) Oxybenzone
061. Which of the following parameters determines the wavelength of a laser?
 (A) Medium (B) Fluence
 (C) Spot size (D) Pulse duration

062. In regards to liposuction, what is the maximum amount of tumescent anesthesia (lidocaine) recommended for an adult?
- (A) 15 mg/kg (B) 25 mg/kg
 (C) 55 mg/kg (D) 45 mg/kg
063. Which of the following absorbs ultraviolet radiation?
- (A) Filaggrin (B) Loricrin
 (C) Involucrin (D) Urocanic acid
064. Anchoring fibrils are primarily composed of:
- (A) Type I collagen (B) Type III collagen
 (C) Type IV collagen (D) Type VII collagen
065. Which term describes vestigial lines of pigmentary demarcation?
- (A) Futchler lines (B) Wallace's lines
 (C) Langer's lines (D) Lines of Blaschko
066. Which of the following statements about the direct immunofluorescence pattern in lichen planus is correct?
- (A) The DIF is negative in the vast majority of cases
 (B) Deposition of IgG is within cytooid bodies in the superficial dermis
 (C) The DEJ deposition is granular
 (D) Deposition of fibrinogen is within cytooid bodies in the deep dermis
067. Anti-Ro (SS-A) antibodies are most commonly found in:
- (A) Mixed connective tissue disease
 (B) Eosinophilic fasciitis
 (C) Drug-induced systemic lupus erythematosus
 (D) Neonatal lupus erythematosus
068. Which virus is most closely associated with Kaposi's sarcoma in HIV-infected patients?
- (A) Epstein-Barr virus (B) Cytomegalovirus
 (C) Human herpes virus 6 (D) Human herpes virus 8
069. What is the best screening test for hereditary angioedema?
- (A) C1 esterase (B) C4
 (C) CH50 (D) C3
070. Which of the following is a criterion for the diagnosis of Behcet's disease?
- (A) Inflammatory bowel disease (B) Uveitis
 (C) Conjunctivitis (D) Lobular panniculitis
071. Psoriatic arthritis is most commonly associated with which HLA?
- (A) HLA-B27 (B) HLA-Cw6
 (C) HLA-Aw19 (D) HLA-Bw35
072. Purpuric contact dermatitis is most likely to be associated with:
- (A) Nickel (B) Formaldehyde
 (C) P-phenylenediamine (D) Propylene glycol

073. Anti-centromeric antibodies are associated with which rheumatologic disease?
 (A) CREST (B) Mixed connective tissue disease
 (C) Progressive systemic sclerosis (D) Dermatomyositis/polymyositis
074. Which of the following photodermatoses is associated with EBV?
 (A) Hydroa vacciniforme (B) Chronic actinic dermatitis
 (C) Solar urticarial (D) None of the above
075. Periorbital purpura is a characteristic cutaneous manifestation of:
 (A) Sarcoidosis (B) Amyloidosis
 (C) Dermatomyositis (D) Thrombocytopenia
076. The most common benign neoplasm in a nevus sebaceous of Jadassohn is:
 (A) Syringocystadenoma papilliferum (B) Trichoblastoma
 (C) Fibroepithelioma (D) Sebaceous adenoma
077. Sarcoidosis presenting as uveitis, facial nerve palsy, fever and parotid gland swelling is referred to as :
 (A) Heerfordt's syndrome (B) Lofgren's syndrome
 (C) Lupus pernio (D) Darier-Roussy disease
078. What name is commonly used to describe the condition of nodular elastosis with cysts and comedones in elderly persons?
 (A) Actinic granuloma (B) Colloid milium
 (C) Cutis rhomboidalis nuchae (D) Favre-Racouchot
079. What is the mechanism of action of pritelivir in HSV infections:
 (A) Prevents viral adhesion (B) Prevents viral uptake
 (C) Inhibits viral DNA polymerase (D) Helicase blocker
080. Which of the following is the most likely mechanism of action of podophyllotoxin in viral warts
 (A) Binds to cellular microtubules (B) Inhibits mitotic division
 (C) Necrosis of condylomata (D) All of the above
081. Congenital syphilis may resemble which of the stages of syphilis
 (A) Primary (B) Secondary
 (C) Tertiary (D) Any
082. Which of the following is not a route of administration for foscarnet
 (A) Oral (B) Intravenous
 (C) Topical (D) None of the above
083. Which of the following medications would likely exacerbate your patient's psoriasis?
 (A) Hydrochlorothiazide (B) Lisinopril
 (C) Amlodipine (D) Metoprolol
084. The causative organism for mucocutaneous leishmaniasis is:
 (A) Leishmania aethiopica (B) Leishmania major
 (C) Leishmania brasiliensis (D) Leishmania tropica
085. Which of the following stains would NOT be positive in macular amyloidosis?
 (A) Von Kossa (B) Congo red
 (C) Crystal violet (D) Thioflavin T

086. Which of the following disorders is most strongly associated with a monoclonal gammopathy of the IgG-lambda type?
- (A) Scleredema (B) POEMS syndrome
(C) Necrobiotic xanthogranuloma (D) Scleromyxedema
087. Necrobiosis is characteristic of which two entities below?
- (A) Sarcoid and granuloma annulare
(B) Sarcoid and necrobiosis lipoidica
(C) Sarcoid and annular elastolytic giant cell granuloma
(D) Granuloma annulare and necrobiosis lipoidica
088. Which of the following receptor is the most important mediator of retinoid activity in the skin?
- (A) RAR-gamma (B) RXR-alpha
(C) RXR-gamma (D) RAR-beta
089. Cutaneous manifestations of vitamin D deficiency include:
- (A) Alopecia (B) Follicular hyperkeratosis
(C) Angular cheilitis (D) Atrophic glossitis
090. Pityriasis rosea is characterized histologically by what finding?
- (A) Wedge-shaped infiltrate with large cells within the infiltrate
(B) Irregular acanthosis
(C) Acanthosis and neutrophilic aggregates in the epidermis
(D) Mounds of parakeratosis
091. What immunohistochemical stain is most likely to be positive in urticaria pigmentosa?
- (A) HMB 45 (B) Tryptase
(C) PAS (D) S100
092. This type of lupus completely lacks interface dermatitis:
- (A) discoid lupus (B) chronic cutaneous lupus
(C) chilblain lupus (D) tumid lupus
093. A grenz zone is seen in which of the following conditions?
- (A) Granuloma faciale (B) Polyarteritis nodosa
(C) Sweet's syndrome (D) Granuloma annulare
094. All are sebaceous glands except:
- (A) Tyson (B) Moll
(C) Montgomery tubercle (D) Meibomian
095. Premalignant leukoplakia of the oral mucosa is associated with:
- (A) Bloom syndrome (B) Werner Syndrome
(C) Xeroderma Pigmentosum (D) Dyskeratosis Congenita
096. Epidermodysplasia verruciformis is associated with which of the following:
- (A) HPV 5 (B) HPV 11
(C) HPV 4 (D) HPV 7

097. Dermoscopic features suggestive of malignant melanoma include:
 (A) Presence of 2 or more colors within the lesion
 (B) Blue-whitish veil
 (C) Asymmetric radial streaming
 (D) All of the above
098. Histopathological evidence of epidermotropism may be seen in which of the following conditions:
 (A) Merkel cell carcinoma (B) SCC
 (C) CTCL (D) All of these answers are correct
099. Mohs micrographic surgery the treatment of choice for all of the following, except:
 (A) 1 cm SCC located on the chest (B) 2 cms BCC on lower extremities
 (C) 1 cm BCC on the eyelid (D) Morpheaform BCC on the cheek
100. All of the following are psychosomatic dermatoses except :
 (A) Trichotillomania (B) Terra firma-forme dermatoses
 (C) Morgellons disease (D) Dermatitis artefacta
101. Eccrine glands are found on the:
 (A) Labia majora (B) Labia minora
 (C) Glans (D) Prepuce
102. What is the most effective occlusive moisturizer?
 (A) Glycerin (B) Petrolatum
 (C) Vegetable oil (D) Dimethicone
103. The desmosomal connections of the epidermis are dependent on which of the following ions?
 (A) Iron (B) Zinc
 (C) Selenium (D) Calcium
104. Which of the options below, per high concentrations noted in recent studies, is the most important factor in the pathogenesis of SJS/TEN?
 (A) Granzyme B (B) TNF- β
 (C) IL-8 (D) Caspase
105. Which of the following absorbs ultraviolet radiation?
 (A) Filaggrin (B) Loricrin
 (C) Involucrin (D) Urocanic acid
106. What is the most abundant collagen found on fetal skin?
 (A) Type I Collagen (B) Type II Collagen
 (C) Type III Collagen (D) Type IV Collagen
107. The major protein component of the cornified envelope is:
 (A) Envoplakin (B) Desmoplakin
 (C) Plectin (D) Loricrin
108. The most common type of pityriasis rubra pilaris in childhood is type:
 (A) I (B) II
 (C) III (D) IV

109. A child presents with a 1 cm yellow-red nodule on the face. Pathology shows Touton giant cells. What is the diagnosis?
- (A) Juvenile xanthogranuloma (B) Pyogenic granuloma
(C) Hemangioma (D) TT leprosy
110. Keratinocytes are derived from which of the following:
- (A) Endoderm (B) Mesoderm
(C) Ectoderm (D) Neural Crest
111. Fragmentation and / or loss of elastic fibers is not seen in:
- (A) Cutis laxa (B) Marfan's syndrome
(C) Anetoderma (D) Buschke-Ollendorf syndrome
112. The microflora of pilosebaceous unit consist of which of the following:
- (A) Pityrosporum ovale (B) Staphylococcus aureus
(C) Escherichia coli (D) Pseudomonas aeruginosa
113. Direct immunofluorescence staining of intercellular spaces and the basement membrane zone, in combination, is seen in:
- (A) Paraneoplastic pemphigus (B) Anti-epiligrin pemphigoid
(C) Pemphigus vegetans (D) Pemphigus foliaceus
114. Keratohyalin granules contain:
- (A) Desmoplakin (B) Envoplakin and Keratin 6
(C) Profilaggrin and loricrin (D) Numerous Golgi apparatus
115. Sebaceous glands are located in each of the following locations except:
- (A) Nipple (B) Labia minora
(C) Palms (D) Eyelids
116. Red or blonde hair pigmentation primarily results from:
- (A) The presence of eumelanin (B) The absence of melanin
(C) The presence of pheomelanin (D) The reduced activity of tyrosinase
117. Epidermolysis bullosa simplex (EBS), Weber Cockayne type, is caused by what defect?
- (A) Collagen VII (B) Alpha-6-beta-4 integrin
(C) Keratins 1 & 10 (D) Keratins 5
118. Eccrine glands are found in all the following areas of the body except:
- (A) Axillae (B) Palms
(C) Labia minora (D) Scalp
119. Apocrine glands are found in all of the following areas of the body except:
- (A) Axillae (B) Breasts
(C) Eyelid (D) Palms
120. Anagen effluvium is best described as:
- (A) An abrupt transition from anagen to catagen in rapidly dividing hair matrix cells
(B) A cessation of mitotic activity in rapidly dividing hair matrix cells
(C) An abrupt transition of telogen to anagen in resting hair matrix cells
(D) A cessation of mitotic activity in resting hair matrix cells

121. The main collagen component of the basement membrane is:
 (A) Collagen IV (B) Collagen III
 (C) Collagen I (D) Tenascin-X
122. Meibomian glands are:
 (A) Eccrine glands localized to the vermilion border of the lips
 (B) Sebaceous glands found on the areola of the breast
 (C) Sebaceous glands found on the eyelids
 (D) Apocrine glands found in the anogenital regions
123. The mechanism of action of ipilimumab can be described as
 (A) Inhibitor of CTLA-4 (B) Antibody to CD27
 (C) Fusion protein binding B7 (D) Antibody to CD 8 T cell
124. A salt split skin DIF is performed on a biopsy taken adjacent to the skin lesions of bullous pemphigoid. Where would you expect staining to be seen?
 (A) Epidermal side (B) Dermal side
 (C) Epidermal and Dermal sides equally (D) In the lamina densa
125. Which sebaceous gland is located on the buccal mucosa and vermilion border of the lips?
 (A) Montgomery's tubercles (B) Tyson's glands
 (C) Zeis glands (D) Fordyce's spots
126. Which of the following diseases has decreased or absent lamellar granules?
 (A) Flegel's (B) Psoriasis
 (C) Lamellar ichthyosis (D) Epidermolytic hyperkeratosis
127. Asboe-Hansen Sign refers to:
 (A) When an intact epidermis shears away from the underlying dermis, leaving a moist surface
 (B) Spreading bulla phenomenon with pressure on an intact bulla
 (C) Swollen, itchy and or red after stroking the skin
 (D) Central depression within a lesion when squeezed along its margins
128. Which of the following skin conditions involves elastin?
 (A) Rothmund-thompson (B) Epidermolytic hyperkeratosis
 (C) Pseudoxanthoma elasticum (D) Progeria
129. Which of the following elements is necessary for melanin production?
 (A) Copper (B) Selenium
 (C) Iron (D) Zinc
130. Which of the following glands is not under neural control?
 (A) Sebaceous glands (B) Apocrine glands
 (C) Eccrine glands (D) Salivary glands
131. Which of the following dermatophytes causes endothrix tinea capitis?
 (A) Microsporum gypseum (B) Microsporum audouinii
 (C) Trichophyton tonsurans (D) Microsporum canis
132. Cryptococcus neoformans resides in:
 (A) The Mississippi Valley region (B) Chicken roosts
 (C) Pigeon droppings (D) Sandy soil

133. A melanoma lesion is likely to possess a mutation in which of the following?
 (A) NRAS (B) BAP-1
 (C) CDKN2A (D) BRAF
134. Hideko- Kamino bodies are found in histopathology of –
 (A) SPITZ nevus (B) Hemangiomas
 (C) Juvenile xanthogranulomas (D) Ochronosis
135. Malpighian layer of skin is composed of which cell layers :
 (A) Stratum basale and stratum spinosum
 (B) Stratum granulosum and stratum spinosum
 (C) Stratum lucidum and and stratum corneum
 (D) Stratum granulosum and stratum corneum
136. Select the correct match amongst dermatophytes affecting various cutaneous structures-
 (A) Trichophyton – hair, skin, nail (B) Epidermphyton – nail and hair
 (C) Microsporum – nail and skin (D) Candida species – nail, skin, hair
137. Urodeoxycarboxylase enzyme deficiency is found in which of the following conditions-
 (A) Congenital erythropoetic porphyria (B) Porphyria cutanea tarda
 (C) Acute intermittent porphyria (D) Variegate porphyria
138. Fitzpatrick sign is seen in-
 (A) Neurofibroma (B) Dermatofibroma
 (C) Leiomyoma (D) Lipoma
139. Queen anne’s sign is seen in all the following except-
 (A) Leprosy (B) Atopic dermatitis
 (C) Hypothyroidism (D) Neurofibromatosis
140. Topical Rapamycin can be used in treating which of the following skin diseases-
 (A) Facial angiofibromas (B) Xanthogranulomas
 (C) Molluscum contagiosum (D) Verruca vulgaris
141. FDA approved indication of tofacitinib is-
 (A) Alopecia areata (B) Rheumatoid arthritis
 (C) Chronic plaque psoriasis (D) Vitiligo
142. Ustekinumab is a biological which inhibits-
 (A) IL 12 and IL 23 (B) TNF α
 (C) IL17A (D) PDE
143. Dupilumab is-
 (A) Biologic inhibiting IL-4 (B) Used in nasal polyps
 (C) Used in atopic dermatitis (D) All of the above
144. FDA approved indication of cresaborole is-
 (A) Psoriasis (B) Mild to moderate atopic dermatitis
 (C) Focal vitiligo (D) Alopecia areata
145. Hoigne phenomenon is renowned to occur as a complication of which drug-
 (A) Meropenam (B) Procaine Penicillin
 (C) Vancomycin (D) Benzathine penicillin

158. Besnier's sign is seen in –
 (A) Pityriasis rosea (B) Pemphigus vegetans
 (C) Seborrheic dermatitis (D) Pityriasis versicolor
159. Which of the following statements regarding podophyllin is NOT correct?
 (A) It is derived from the May apple plant (B) It binds tubulin
 (C) It arrests cells in telophase (D) It is contraindicated in pregnancy
160. What is the best choice of a wavelength of a laser to treat Rhinophyma?
 (A) 595 nm (B) 1,064 nm
 (C) 810 nm (D) 10,600 nm
161. Which of the following statements best explains the principal of collimation with respect to lasers?
 (A) Emission of a well-defined wavelength (rather than a band of wavelengths)
 (B) Light waves traveling in phase, both in time and space
 (C) The parallel nature of a beam of light
 (D) Light that is amplified traveling back and forth between the laser's mirrors
162. Which of the following medications has demonstrated efficacy in the treatment of dermatofibrosarcoma protuberans (DFSP)?
 (A) Dabrafenib (B) Ipilimumab
 (C) Gefitinib (D) Imatinib
163. Which tattoo pigment is the most difficult to treat?
 (A) Titanium dioxide (B) Cobalt aluminate
 (C) Carbon (D) Iron oxide
164. Botulinum toxin A cleaves which protein to exert its effects?
 (A) Syntaxin (B) Acetylcholinesterase
 (C) SNAP-25 (D) Synaptophysin
165. All of the following plants commonly cause a phytophotodermatitis except:
 (A) Umbelliferae family (B) *Apiaceae*
 (C) Celery (D) Myroxylon balsamum
166. The HPV subtype that causes butcher's wart is:
 (A) HPV 2, 7 (B) HPV 3, 5
 (C) HPV 7, 9 (D) HPV 1, 4
167. Heck's disease is caused by-
 (A) HPV type 3 and 8 (B) HPV type 13 and 32
 (C) HPV type 2 and 7 (D) HPV type 6 and 11
168. Exact boiling point temperature of liquid nitrogen is-
 (A) Minus 198 F (B) Minus 196 F
 (C) Minus 197.6 F (D) Minus 195.6 F
169. Woods lamp uses a light source with a glass filter containing-
 (A) Barium silicate and 0.9 % nickel oxide (B) Barium silicate and 9% nickel oxide
 (C) Barium oxide and 9% nickel silicate (D) 0.9% Barium dioxide and nickel bisilicate

170. Excimer laser emits light of wavelength-
- (A) 311 nm (B) 308 nm
(C) 309 nm (D) 310 nm
171. 1 FTU (finger tip unit) roughly corresponds to-
- (A) 0.5gram and can cover the area of skin covered by the palmar surface of one hand
(B) 5grams and can cover the area of skin covered by the palmar surface of one hand
(C) 0.5gram and can cover twice the area of skin covered by the palmar surface of one hand
(D) 1 gram and can cover twice the area of skin covered by the palmar surface of one hand
172. Leonine facies associated dermatological diseases are all except-
- (A) Scleromyxedema (B) Lipoid proteinosis
(C) Multicentric reticulohistiocytosis (D) Cutaneous amyloidosis
173. Refsum disease is characterised by all except-
- (A) Also called as phytanic acid storage disease
(B) Neurocutaneous genetic disorder
(C) Retinitis pigmentosa
(D) Trichothiodystrophy
174. Which of the following palmoplantar keratodermas (PPK) is a type of focal hereditary PPK:
- (A) Howel Evans syndrome (B) Vohwinkel syndrome
(C) Huriez syndrome (D) Papillon Lefevre syndrome
175. Louis Bar syndrome is characterised by all except-
- (A) Autosomal recessive Mutation in ATM gene
(B) Cerebellar ataxia
(C) Ocular telangiectasia
(D) Limb defects
176. Diagnostic criteria for neurofibromatosis type I include all the following except-
- (A) 6 or more cafe au lait macules (size \geq 5mm in prepubertal, \geq 15mm adults)
(B) Optic nerve glioma
(C) Plexiform neurofibroma
(D) Iris pearls
177. Poikiloderma is a common feature of all the following diseases except-
- (A) Mycosis fungoides (B) Rothmund Thompson syndrome
(C) Kindler syndrome (D) Pseudoxanthoma elasticum
178. Kenogen refers to-
- (A) Growing phase of hair cycle
(B) Latent phase between anagen and telogen
(C) Phase when telogen follicle loses its club fibre but has not yet transitioned to anagen
(D) Represents shedding of the club fibre from its silo
179. How long is the life cycle of scabies mite?
- (A) 1 day (B) 1 week
(C) 1 month (D) 6 months

180. Darrier disease is characterised by –
 (A) Red and white longitudinal streaks
 (B) V shaped indentation of distal margin of nails
 (C) Multinucleate giant cells in nail bed epithelium
 (D) All of the above
181. Periungual pyogenic granulomas can be caused by –
 (A) Indinavir (B) Chloroquine
 (C) Chloramphenicol (D) Melphalan
182. Onychocryptosis is-
 (A) Pincer nails (B) Blue nails
 (C) Ingrown toe nails (D) Ram horns nails.
183. Which of the following is not a risk factor for development of squamous cell carcinoma?
 (A) Ionizing radiation (B) Human papilloma virus
 (C) Immunosuppression (D) Chronic kidney disease
184. The characteristics of tuberculoid leprosy or TT is:
 (A) Lepromin test + (B) IL4, IL-10
 (C) Multibacillary (D) No loss of sensation or sweating
185. Exanthem Subitum is caused by which of the following?
 (A) Group A Streptococcus (B) Coxsackie virus
 (C) Human Herpes Virus-6 (HHV-6) (D) Parvovirus B19
186. Which porphyrin is responsible for the fluorescence under Wood's lamp examination of erythrasma?
 (A) Porphobilinogen (B) Protoporphyrin IX
 (C) Coproporphyrin III (D) Coproporphyrinogen
187. Blueberry Muffin Baby can be a feature of all of the following EXCEPT:
 (A) TORCH (B) Klippel-Trenaunay-Weber syndrome
 (C) Hemolytic disease of the newborn (D) Rhabdomyosarcoma
188. High doses of which of the following antiviral agents has been associated with thrombotic thrombocytopenic purpura in immunosuppressed patients?
 (A) Valacyclovir (B) Acyclovir
 (C) Foscarnet (D) Famciclovir
189. The culture medium that is used for Leishmaniasis is:
 (A) Novy-MacNeal-Nicolle (B) Sabarounds dextrose agar
 (C) Mouse foot pad (D) Warthin starry medium
190. A 62 year-old man presents with tinnitus, facial paralysis, and vesicles of the external ear. What is the most likely diagnosis?
 (A) Primary Herpes Simplex infection (B) Primary Varicella Infection
 (C) Herpes Zoster Infection (D) Coxsackievirus A16 infection
191. Acrodermatitis chronica atrophicans is typically caused by:
 (A) Borrelia burgdorferi (B) Bartonella henselae
 (C) Borrelia garinii (D) Borrelia afzelii

192. *Pediculus humanus var. corporis* (human body louse) is the vector in which of the following diseases:
- (A) Endemic typhus (*R. typhus*) (B) Epidemic typhus (*R. prowazekii*)
 (C) Q fever (*C. burnetii*) (D) Rickettsialpox (*R. akari*)
193. Granuloma Inguinale is caused by:
- (A) *Chlamydia trachomatis* types I, II & III (B) *Hemophilis ducreyi*
 (C) *Klebsiella granulomatis* (D) *Treponema pertenuae*
194. WHO diagnostic criteria to diagnose leprosy includes all the following except-
- (A) Definite loss of sensation in a hypopigmented or reddish skin patch
 (B) Thickened or enlarged nerve/nerves with loss of sensation
 (C) Presence of acid fast bacilli in slit skin smear
 (D) Peripheral neuropathy with pure motor deficit
195. Hutchinson's teeth are a feature of ?
- (A) Prenatal syphilis (B) Ectodermal dysplasia
 (C) Goltz syndrome (D) None of the above
196. What is the first line treatment of streptococcal toxic shock syndrome?
- (A) Penicillin (B) Ciprofloxacin
 (C) Clindamycin (D) Vancomycin
197. Which of the following forms of syphilis is characterized by ham-colored macules on the palms and soles, condyloma lata, and "moth-eaten" alopecia?
- (A) Primary (B) Secondary
 (C) Latent (D) Tertiary
198. What type of bodies are seen in histopathology of herpes simplex infection?
- (A) Cowdry Type A (B) Cowdry Type B
 (C) Henderson-Patterson (D) Guarnieri
199. Post herpetic neuralgia can be prevented with the VZV vaccine. It is a Oka/Merck strain of VZV and is FDA approved for adults:
- (A) 60 and older (B) 50 and older
 (C) 55 and older (D) 65 and older
200. Which anatomic locations are most commonly involved in herpes gladiatorum?
- (A) Lateral neck, lateral face, forearm (B) Tips of fingers
 (C) Feet (D) Scalp