

पुस्तिका में पृष्ठों की संख्या-24
No. of Pages in Booklet -24
पुस्तिका में प्रश्नों की संख्या-180
No. of Questions in Booklet -180

Paper Code : 12

SUBJECT : Skin & V. D.
(Broad Speciality)

BSAP-22

11/5/22
2200029

प्रश्न पुस्तिका संख्या /
Question Booklet No.

समय : 3.00 घण्टे

Time: 3.00 Hours

अधिकतम अंक : 180

Maximum Marks: 180

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

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

परीक्षार्थियों के लिए निर्देश

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

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

INSTRUCTIONS FOR CANDIDATES

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

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

इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।

Do not open this Test Booklet until you are asked to do so.

5300033

SKIN & V. D

1. The components of Michel's medium are all, except -
 - (1) Potassium citrate
 - (2) Sodium chloride
 - (3) Magnesium sulphate
 - (4) Ethylmaleimide

2. Inheriting one filaggrin gene mutation has been found to increase the risk of Atopic Eczema six fold, whereas inheriting two filaggrin mutations increase the risk by -
 - (1) 12 fold
 - (2) 100 fold
 - (3) 120 fold
 - (4) 150 fold

3. The pathogenesis of DRESS is -
 - (1) B-cell mediated
 - (2) IgE-mediated
 - (3) Immune complex mediated
 - (4) T-cell mediated

4. Lethal effective dose is defined as a dose of drug required to cause death in how many percentage of experimental animals (pre-clinical)?
 - (1) 20%
 - (2) 50%
 - (3) 30%
 - (4) 60%

5. The development of Pilosebaceous unit takes place in the following gestational age -
 - (1) 8-10 weeks
 - (2) 10-14 weeks
 - (3) 15-17 weeks
 - (4) 18-20 weeks

6. Type IV collagen is found -
 - (1) in dermis and accounts for 80% of total collagen
 - (2) in dermis and accounts for 10% of total collagen
 - (3) in basement membrane within dermo-epidermal junction and vascular basement membrane
 - (4) as major component of anchoring fibrils

7. Transmembrane glycoprotein P-selectin is stored in -
 - (1) Neutrophils & eosinophils
 - (2) Basophil
 - (3) Platelets and endothelial cells
 - (4) Lymphocytes and monocytes

8. In vivo source of IL-20 cytokine is -
 - (1) Fibroblasts
 - (2) Keratinocytes
 - (3) Monocytes
 - (4) Dendritic cells

9. Acute generalized exanthematous pustulosis is a clinical pattern of which form of type IV hypersensitivity reaction?
- (1) Type IV A (2) Type IV B
(3) Type IV C (4) Type IV D
10. Merkel cells are mechanoreceptors found in area of high-tactile sensitivity. This immunohistochemical marker is restricted to Merkel cells in the skin and is thus a reliable marker for these cells -
- (1) Keratin 7 (2) Keratin 20
(3) S-100 (4) Factor XIII a
11. In a topical skin preparation, all are the constituents of Lipid vehicles, except -
- (1) Castor oil (2) Cetyl alcohol
(3) Glycerine (4) Cocoa butter
12. One fingertip unit in topical medications is approximately about in adult male/female -
- (1) 0.2 - 0.3g (2) 0.4 - 0.5g
(3) 0.6 - 0.7g (4) 1.0g
13. The most common ocular symptoms associated with antimalarials is -
- (1) Central visual field loss (2) Visual halos
(3) Watering of eyes (4) Difficulty with reading
14. An 80 year old female presents with a slowly growing papule on her nasal lip for 2yrs. It was asymptomatic to start with, now became sore and bleeds occasionally. On H/P examination reveals Basaloid island with peripheral palisading. What treatment has the highest cure rate?
- (1) Electrodesiccation and curettage (2) Cryotherapy
(3) Mohs micrographic surgery (4) CO₂ laser
15. Which Q switched laser works on yellow tattoo ink?
- (1) Nd-YAG (1064 nm) (2) Nd-YAG (532 nm)
(3) Alexandrite (755 nm) (4) Ruby (694 nm)
16. Wavelength for laser-assisted lipolysis is -
- (1) 10600 nm (2) 1440/924/975 nm
(3) 2940 nm (4) 1064 nm

17. Which of the following is not a symptom of steroid withdrawal syndrome?
- (1) Postural hypotension (2) Hyponatraemia
(3) Increased appetite (4) Hyperkalaemia
18. Which of the following chemical agents protect against UVA light only?
- (1) Octocrylene (2) PABA
(3) Dibenzoylmethanes (4) Benzophenones
19. Original Kligman formulation (1975) for depigmentation has the following components -
- (1) 2% hydroquinone, 0.1% tretinoin, 0.1% dexamethasone
(2) 5% hydroquinone, 0.05% tretinoin, 0.1% dexamethasone
(3) 5% hydroquinone, 0.1% tretinoin, 0.5% dexamethasone
(4) 5% hydroquinone, 0.1% tretinoin, 0.1% dexamethasone
20. Which of the following is not used as psoriasis assessment tool?
- (1) Psoriasis Area and Severity Index (PASI)
(2) Physician's Global Assessment (PGA)
(3) Lattice system global assessment
(4) Rajka langeland severity classification
21. Linder diagnostic scoring system is used for -
- (1) MB Relapse (2) PB Relapse
(3) MB Reactivation (4) PB Reactivation
22. According to Indian Association of Leprologists 1981, leprosy is divided into how many types?
- (1) 3 (2) 4
(3) 5 (4) 6
23. Which of the following test is not used for leprosy?
- (1) Lepromin test (2) Sweating test
(3) Histamine test (4) Serotonin test
24. Which statement is true regarding Erythema Nodosum Leprosum?
- (1) Activation of Th1, increase IL-2, IFN- γ .
(2) Activation of Th2, increase IL-4, 5, 13, 10 cytokine.
(3) Augmented humoral immunity and elevated complement level C3.
(4) Positive Medina test.

25. Anhidrosis is characteristic of skin lesion of which type of leprosy?
- (1) Tuberculoid leprosy (2) Borderline lepromatous leprosy
(3) Mid-borderline leprosy (4) Lepromatous leprosy
26. Which sign in congenital syphilis is most specific?
- (1) Syphilitic paronychia (2) Pemphigus syphiliticus
(3) Snuffler (4) Wimberger sign
27. A 32-year-old female comes to skin OPD with chief complain of copious homogeneous malodorous yellowish-greenish discharge and on colposcopy, punctate mucosal hemorrhage are present. Which organism could result in this type of vaginosis?
- (1) *Candida* (2) *Trichomonas vaginalis*
(3) *Gardnerella vaginalis* (4) *Neisseria gonorrhoeae*
28. A 27-year-old male comes to skin OPD with well-defined granulomatous ulcer which is painless, beefy red in color and bleeds easily on touch on examination lymph nodes are not palpable. Identify the disease.
- (1) Donovanosis (2) Herpes genitalis
(3) Syphilis (4) Chancroid
29. Which is not a part of Amsel criteria to diagnose bacterial vaginosis?
- (1) Elevated vaginal pH
(2) Clue cell
(3) Excessive homogeneous uniformly adherent discharge
(4) Lowered vaginal pH
30. Nugent scoring is used to diagnose which condition?
- (1) Herpes genitalis (2) Syphilis
(3) Bacterial vaginosis (4) Trichomoniasis
31. Coral-red fluorescence of erythrasma under wood light is attributed to -
- (1) Protoporphyrin IX (2) Uroporphyrinogen
(3) Coproporphyrin III (4) Porphobilinogen
32. All of the following causes Cutaneous Larva Migrans, except -
- (1) Ancylostoma (2) Uncinaria
(3) Bunostomum (4) Strongyloides

33. A 28-year-old male presented to skin OPD with filiform, keratotic papule, protruding through follicle on nose. On HPE follicles are enlarged with keratinocyte enlarged with cytoplasmic inclusion bodies and trichohyaline granule. Electron microscopy shows a densely packed viral particle array in keratinized cell within follicles. What is causative agent of study?
- (1) Papilloma virus (2) Polyoma virus
(3) Pox virus (4) Herpes virus
34. Most common predisposing condition for Kaposi's varicelliform eruption is -
- (1) Nummular eczema (2) Atopic eczema
(3) Ichthyosis vulgaris (4) Hailey-Hailey Disease
35. Dermoscopy of scabies burrows shows which of the following sign?
- (1) Jet with contrail (2) Hem-like pattern
(3) Starburst pattern (4) Fish in pond
36. Causative agent of Deep Myrmecial Wart is -
- (1) HPV -1 (2) HPV -2
(3) HPV -4 (4) HPV -27
37. What is TRUE for carrion disease?
- (1) Internal stage is characterized by erythematous papules which appear in crops and later become nodular.
(2) Verruca peruana has sudden onset of pyrexia accompanied by haemolytic anaemia.
(3) Different state of evolution may be present in same patient.
(4) Cotrimoxazole is treatment of choice.
38. Twisted fingers in leprosy is a -
- (1) Specific deformity (2) Paralytic deformity
(3) Vascular deformity (4) Anaesthetic deformity
39. Diamond, Feinberg, Withington and Kupferberg are media used for culturing which organism?
- (1) *Gonococci* (2) *Candida*
(3) *Trichomonas vaginalis* (4) *Haemophilus Ducreyi*
40. Variola (smallpox) species of human poxvirus belong to genus -
- (1) Parapoxvirus (2) Orthopoxvirus
(3) Yatapoxvirus (4) Molluscipoxvirus

41. Causative microorganism for Yaws is -
- (1) *Treponema Carateum* (2) *Treponema Pallidum*
(3) *Treponema Pertenuae* (4) *Treponema Endemicum*
42. National leprosy eradication program was launched in which year?
- (1) 1955-56 (2) 1983-84
(3) 1991-92 (4) 2007-08
43. Which of the following serological test is most sensitive in untreated primary syphilis?
- (1) VDRL (2) FTA-ABS
(3) Enzyme Immunoassay (4) Rapid Plasma Reagin
44. Wimberger's sign syphilitic infection is seen in -
- (1) Late congenital syphilis (2) Early congenital syphilis
(3) Secondary syphilis (4) Tertiary syphilis
45. Which of the following NNRTI (Non-Nucleoside Reverse Transcriptase Inhibitor) cause fatal hepatitis?
- (1) Efavirenz (2) Nevirapine
(3) Rilpivirine (4) Delavirdine
46. Tinea Nigra is caused by -
- (1) *Aspergillus Niger* (2) *Trichosporom Ovoides*
(3) *Hortaea Werneckii* (4) *Piedraia hortae*
47. Which of the following dermatological condition is not seen in HIV infection?
- (1) Seborrhoeic dermatitis (2) Psoriasis
(3) Granuloma multiforme (4) Granuloma annulare
48. *H. Ducreyi* is a -
- (1) Gram positive facultative aerobic coccobacillus
(2) Gram negative facultative anaerobic coccobacillus
(3) Gram negative facultative facultative aerobic coccobacillus
(4) Gram positive facultative anaerobic coccobacillus
49. Favus type tinea capitis is caused by-
- (1) *T. Soudanense* (2) *T. Yaoundei*
(3) *T. Schoenleinii* (4) *T. Gourvilii*

50. Vesiculobullous reactions is seen with which of the following fungus?
- (1) *T. rubrum* (2) *T. interdigitale*
(3) *T. violaceum* (4) *T. concentricum*
51. In ocular cicatrical pemphigoid, which antigen is specific?
- (1) Auto antibodies against $\alpha 6$ chain of $\alpha 6\beta 4$ integrin
(2) Auto antibody against $\beta 4$ chain of $\alpha 6\beta 4$ antigen
(3) BP-1 and BP-2 antigen
(4) All of the above
52. What is Murray William's wart?
- (1) Multiple seborrheic keratosis occurring in areas of resolved eczema
(2) Due to human papilloma virus
(3) A manifestations of secondary syphilis
(4) It is a cutaneous manifestations of immunocompromised patient
53. Which statement is incorrect for TRAPS (Tumor Necrosis Factor Receptor Associated Periodic Syndrome)?
- (1) First manifest in childhood or adolescence and is characterized by episode of pyrexia, lasting 1-3 weeks
(2) Migratory Erythema is present
(3) Deep perivascular monocyctic infiltrate is characteristic
(4) Erysipelas like erythema
54. Which statement is correct for Blau syndrome?
- (1) Rash with granulomatous polyarthritis
(2) Erysipelas like Erythema
(3) Migratory Erythema
(4) Grouped pustules on erythematous base
55. What is the antigen of Duhring Brocq disease?
- (1) Epidermal Transglutaminase-3 (2) Epilegrin
(3) Desmocollin (4) Periplakin
56. Infection with *Helicobacter pylori* is associated with all of these disorders, except -
- (1) Psoriasis (2) Vitiligo
(3) Alopecia areata (4) Behcet's disease

57. Erythroderma desquamativum is associated with -
- (1) Diarrhoea (2) C5 – C9 complement deficiency
(3) Numerous infection and diarrhoea (4) All of the above
58. The ragged cuticle seen in dermatomyositis is also known as -
- (1) Candy cane nails (2) Samitz sign
(3) Ventral pterygium (4) Plummer's sign
59. A 40-years-old female is diagnosed as systemic sclerosis without any other organ involvement. What is the most specific antibody for this condition?
- (1) Anti-topoisomerase antibody (2) Anti-centromere antibody
(3) Antinuclear Ab (4) AntiRo Ab
60. Paraproteinemia is associated with all, except -
- (1) Scleromyxoedema (2) Sclerosing panniculitis
(3) Necrobiotic xanthogranuloma (4) Scleredema
61. Antiphospholipid antibodies listed in classification criteria of antiphospholipid syndrome include all, except -
- (1) Lupus anticoagulant (2) Anticardiolipin
(3) Anti-beta 2 glycoprotein 1 (4) Annexin AS
62. Which vitamin is used in prophylactic treatment of antiphospholipid syndrome?
- (1) Vitamin A (2) Pyridoxine
(3) Vitamin D (4) Vitamin E
63. The following drugs are used in cutaneous Mastocytosis, except -
- (1) Antihistamine (2) D-tubocurarine
(3) Cromolyn sodium (4) Corticosteroids
64. Which of the following condition is known by Silk Road Disease?
- (1) Behcet's Disease (2) Oriental sore
(3) Buruli's ulcer (4) Hansen's disease
65. Which of the following is not a feature of monogenic autoinflammatory disease?
- (1) Maculopapular rashes (2) Lichen planus like lesions
(3) Urticarial rashes (4) Pustular skin rashes

66. Classical triad of Leiner's disease includes all, except -
- (1) Desquamative erythroderma
 - (2) Sparse hair
 - (3) Frequent loose stools
 - (4) Zinc deficiency
67. Who first described Pityriasis Amiantacea?
- (1) Alibert in 1832
 - (2) Miller in 1832
 - (3) Steven Nelson in 1906
 - (4) Collins in 1906
68. Beta – blockers exacerbate psoriasis by which of the following mechanism?
- (1) Increased TNF alpha production
 - (2) Decreased TNF alpha production
 - (3) Interfering with calcium release in keratinocytes
 - (4) Interfering with intracellular cyclic adenosine monophosphate levels
69. The mechanism of action of ustekinumab in psoriasis is -
- (1) Inhibition of IL-12 and IL-23
 - (2) Inhibition of IL-17 A
 - (3) Inhibition of TNF - α
 - (4) Inhibition of IL-12 only
70. All of these are features of Civatte bodies, except -
- (1) They are apoptotic dyskeratotic bodies
 - (2) They have a diameter of 20 μ m
 - (3) They have a homogeneous basophilic appearance
 - (4) They are PAS positive
71. Lymphocytes are the predominating infiltrating cells in all these disorders, except -
- (1) Spongiotic Dermatitis
 - (2) Erythema Multiforme
 - (3) Herpes gestationalis
 - (4) Paraneoplastic Pemphigus
72. Histologically early changes in acute graft VS Host disease is having all the following features, except -
- (1) Focal or diffuse vacuolization of basal cell layer
 - (2) Satellite cell necrosis
 - (3) Subepidermal cleft formation
 - (4) Pigmentary incontinence with mononuclear subepidermal infiltrate

73. Which of the following is not true for Rowell syndrome?
- (1) Clinically present with lupus and erythema multiforme like lesions
 - (2) Presence of Anti-Ro/SSA antibodies
 - (3) Presence of Anti-La antibodies
 - (4) Presence of speckled antinuclear antibodies
74. Which HLA subtype confers an increased risk for morphea?
- (1) HLA B 37
 - (2) HLA B 36
 - (3) HLA B 38
 - (4) HLA B 48
75. Which of the following is not true for erythema multiforme?
- (1) Typical target or iris lesions are present
 - (2) Drugs are a common cause
 - (3) Described by Von Hebra in 1860
 - (4) Most incidence is found in male children and young adults
76. Urticaria is seen in -
- (1) TRAPS
 - (2) Muckle-Wells syndrome
 - (3) Jabs syndrome
 - (4) DIRA syndrome
77. Hepatoerythropoietic porphyria is caused by deficiency of enzyme -
- (1) Uroporphyrinogen decarboxylase
 - (2) Coproporphyrinogen oxidase
 - (3) Uroporphyrinogen cosynthetase
 - (4) None of the above
78. Primary nodular cutaneous amyloidosis is associated with all of the above, except -
- (1) Diabetes
 - (2) CREST syndrome
 - (3) Sjogren syndrome
 - (4) Discoid lupus erythematosus
79. Shar-Pei sign is seen in -
- (1) Scleroderma
 - (2) Scleromyxedema
 - (3) Degos disease
 - (4) Chronic GVHD
80. A 24-years-old man were Lesch-Nyhan syndrome is most likely to present with what next disorder?
- (1) Beau's Line
 - (2) Mee's Line
 - (3) Onychophagia
 - (4) Dolichonychia

81. Flag sign is seen in -
- (1) Marasmus (2) Kwashiorkor
(3) Scurvy (4) Vitamin D deficiency
82. Toxicity of which of the following vitamins can cause Alopecia?
- (1) Vitamin A (2) Vitamin C
(3) Vitamin K (4) Thiamine
83. 'Zebra bodies' in electron microscopy are seen in -
- (1) Trichothiodystrophy (2) Fabry disease
(3) Gout (4) Diabetes Mellitus
84. Keshan disease is due to deficiency of -
- (1) Manganese (2) Magnesium
(3) Selenium (4) Copper
85. Lepemia retinalis and acute pancreatitis are associated with which of the following?
- (1) Tendinous xanthoma (2) Planar xanthoma
(3) Eruptive xanthoma (4) Tuberos xanthoma
86. "Tiger tail" pattern under polarized light is seen in -
- (1) Pili torti (2) Trichothiodystrophy
(3) Pili annulati (4) Pili bifurcati
87. Onychopapilloma presents as -
- (1) Glauconychia (2) Xanthonychia
(3) Erythronychia (4) Melanonychia
88. All of the following are major criteria for diagnosis of Tuberous sclerosis, except -
- (1) Shagreen patch (2) Lymphangiomyomatosis
(3) Confetti lesion (4) Renal angiomyolipoma
89. Xeroderma pigmentosum is characterized by -
- (1) Autosomal dominant inheritance
(2) Inability to repair sunlight induced damage to DNA
(3) Acanthosis of epithelium with elongation of rete ridges
(4) Irregular accumulation of melanin in the basal cell layer

90. Inheritance pattern of Ehlers-Danlos syndrome is -
- (1) X-linked recessive (2) X-linked dominant
(3) Autosomal dominant (4) Autosomal recessive
91. Which of the following concerning Degos disease is TRUE?
- (1) After undergoing multiple stages, it resolves without scarring.
(2) It affects women more than men.
(3) Glucocorticoids are standard of care.
(4) GIT involvement pretends poor prognosis.
92. Silvery hair is present in which of the following syndromes?
- (1) Chediak-Higashi syndrome (2) Severe combined immunodeficiency
(3) Leukocyte adhesion deficiency (4) Ataxia telangiectasia
93. Beau lines are seen in -
- (1) Zinc deficiency (2) Copper deficiency
(3) Magnesium deficiency (4) Selenium deficiency
94. Which is the most common hair shaft disorder with breakage?
- (1) Trichorrhexis nodosa (2) Trichoschisis
(3) Pili Torti (4) Trichorrhexis invaginata
95. Which is not true about Monilethrix?
- (1) Inheritance is autosomal dominant
(2) Beaded hair appearance is pathognomonic
(3) Koilonychia may be present
(4) Mutation in type II hair keratins have been linked to chromosome 13 q11-q13
96. Cutaneous granulomas are a feature of all these conditions, except -
- (1) Ataxia telangiectasia
(2) Chronic mucocutaneous candidiasis
(3) Common variable immunodeficiency
(4) Hyperimmunoglobulinemia E syndrome
97. For Incontinentia pigmenti which statement is not true?
- (1) 1st described by Bloch-Sulzberger in 1906.
(2) It's a X-linked dominant condition.
(3) 80% have mutation in IKBKG gene.
(4) It is lethal in male fetus.

98. Classical triad of Wiskott-Aldrich syndrome include all, except -
- (1) Haemorrhage caused by thrombocytopenia and platelet dysfunction
 - (2) Recurrent candidiasis
 - (3) Recurrent pyogenic infections
 - (4) Recalcitrant dermatitis
99. All the statements about trichothiodystrophy are true, except -
- (1) The term was coined by Price.
 - (2) Hairs are short, brittle with shaft abnormalities.
 - (3) Development delay is present.
 - (4) Photosensitivity is rare.
100. Poikiloderma with variegated cutaneous pigmentation, atrophy and telangiectasias is a hallmark feature of -
- (1) Bloom's syndrome
 - (2) Werner syndrome
 - (3) Rothmund-Thomson syndrome
 - (4) Fanconi Anemia
101. All are true regarding body temperature regulation, except -
- (1) Pre-optic region of hypothalamus detect fall in temperature and activate para sympathetic system
 - (2) Adrenergic fibres responsible for flight or fight response
 - (3) During rise in core temperature there is inhibition of sympathetic system
 - (4) VIP Act as vasodilator and increase skin permeability
102. What is the first line of treatment of Mitchell disease?
- (1) Lidocaine Patch
 - (2) Corticosteroid
 - (3) Calcineurin Inhibitor
 - (4) Topical Imiquimod
103. Which among the following is not true regarding PHN (Post Herpetic Neuralgia)?
- (1) It occurs 3-6 months after herpes zoster infection
 - (2) Loss of function and degeneration of small efferent fibres
 - (3) Ectopic impulses can be evoked by thermal stimuli
 - (4) Increase in adrenergic sensitivity of nociceptors
104. A 54-year-old female comes to skin OPD with complain of burning sensation in mouth, dryness of mouth, changes in taste sensation since 1 year after wisdom teeth removal. Which of the following is True regarding this condition?
- (1) This is a case of phantom tooth pain
 - (2) In it there is decrease of taste buds
 - (3) There is loss of inhibitory control over small afferent fibres
 - (4) In most patient, food and drinks increase the pain

105. Aquagenic pruritus after contact with water is seen in which hematological disorder?
- (1) Chronic myeloid leukaemia (2) Acute myeloid leukaemia
(3) Polycythemia vera (4) Thrombocytosis
106. Mediator of Cholestatic Pruritus is -
- (1) Histamine (2) Cytokine IL-31
(3) Dynorphin (4) Endorphins
107. Which of the following is not a method of measurement of pruritus?
- (1) Verbal Rating Scale (VRS) (2) Duration Rating Scale (DRS)
(3) Numerical Rating Scale (NRS) (4) Visual Analogue Scale (VAS)
108. The term Prurigo Nodularis (PN) was first time used in the world by -
- (1) William Augustus Hardaway (1879) (2) Hutchinson (1879)
(3) James N. Hyde (1909) (4) Hebra (1892)
109. Which of the following is not the common site of Lichen Simplex Chronicus?
- (1) Nape and side of neck (2) Lower legs
(3) Vulva and scrotum (4) Flexor aspect of forearm
110. Specimen sign is seen in -
- (1) Olfactory delusions (2) Body dysmorphic disorder
(3) Nodular prurigo (4) Delusional infestation
111. The antifungal drugs excreted in eccrine gland are all, except -
- (1) Fluconazole (2) Griseofulvin
(3) Ketoconazole (4) Itraconazole
112. Which statement is true for chloracne?
- (1) Tetrachlorodibenzo-p-dioxin is most potent chloracnegen.
(2) Inflammatory papule and cyst affecting predominantly nose.
(3) Sebaceous gland hyperplasia on histopathology.
(4) There is no systemic finding.
113. The prevalence of lupus pernio being associated with sarcoidosis of the upper respiratory tract is -
- (1) Less than half of cases (2) Half of cases
(3) More than half of cases (4) None of the above

114. The false statement regarding the hormonal influences in hidradenitis suppurativa is -
- (1) Premenstrual disease flares
 - (2) Improvement during pregnancy
 - (3) Circulating androgen levels are increased
 - (4) Clinical signs of visualization are usually absent
115. Pigmentary lesion characterized by typical macular area of depigmentation within area of hyperpigmentation giving a 'Raindrop appearance' is seen in -
- (1) Arsenic poisoning
 - (2) Mercury poisoning
 - (3) Silver poisoning
 - (4) Gold salt poisoning
116. A preterm, small for date neonate with mask like face developed sudden onset diffuse yellow white woody induration with purplish mottling of surrounded skin with limited mobility of lower limb on day 5, on H/P examination, radial needle like cleft was seen. What is most likely diagnose?
- (1) Scleroderma of Buschke
 - (2) Sclerema neonatorum
 - (3) Subcutaneous fat necrosis
 - (4) Neonatal cold injury
117. What is only FDA approved biologicals for treatment of hidradenitis suppurativa?
- (1) Adalimumab
 - (2) Ustekinumab
 - (3) Rituximab
 - (4) Omalizumab
118. *Borrelia burgdorferi* has been implicated in pathogenesis of -
- (1) Anetoderma
 - (2) Mid-dermal elastolysis
 - (3) Atrophoderma of Pasini and Pierini
 - (4) Atrophoderma vermiculatum
119. Conditions associated with acquired perforating Dermatoses include all, except -
- (1) Chronic kidney disease
 - (2) Scabies
 - (3) Hypertrophic cardiomyopathy
 - (4) Diabetes mellitus
120. Histologically all these forms of panniculitis are lobular forms, except -
- (1) Erythema induratum
 - (2) Erythema nodosum
 - (3) Pancreatic panniculitis
 - (4) Cytophagic histiocytic panniculitis
121. Meltzer triad include all, except -
- (1) Acrocyanosis
 - (2) Purpura
 - (3) Asthenia
 - (4) Arthralgia

122. A 16-year-old complain of palpable non blanching purpuric rash on upper and lower extremity since 4 days. Patient has complain of abdominal pain in right upper quadrant, on investigation WBC was raised, while others were normal. On skin biopsy leukocytoclastic vasculitis is seen. Which statement is false for this disease?
- (1) The peak incidence of this condition is between 4-6 year.
 - (2) IgA is key antibody is pathogenesis.
 - (3) Antistreptolysin 'O' titre positivity confirm a 10 fold risk of IgA vasculitis.
 - (4) End stage renal disease is common complication of diseases and occur in 90% of affected patient.
123. Schobinger staging system is used for -
- (1) A-V malformation
 - (2) Venous ulcer
 - (3) Atherosclerosis
 - (4) Venous malformation
124. Which statement is false?
- (1) Cherry angioma are common angioma seen in skin and are true capillary hemangioma.
 - (2) Angiokeratoma are not true angioma.
 - (3) Angioma serpiginosum is always blanchable.
 - (4) Generalized essential telangiectasia is usually symmetrical.
125. A boy of 8 year presented with purpuric rashes in both lower limbs with complaint of joint pain in knee and pain in abdomen. H/P finding is likely -
- (1) IgE deposition in vessel wall
 - (2) IgG deposition in vessel wall
 - (3) IgA deposition in vessel wall
 - (4) C3 complement around vessel wall
126. What is talon noir?
- (1) It is superficial fungal infection
 - (2) Pigmentation of heel due to extravasation of RBC
 - (3) Sign of Arsenic poisoning
 - (4) Also known as piezogenic pedal papule
127. Sneddon syndrome is associated with all of the following, except -
- (1) Livedoid vasculopathy
 - (2) Ischemic cerebrovascular lesions
 - (3) Hypertension
 - (4) Arterial and venous thrombosis
128. Which of the following vasculitis doesn't predominately affect small blood vessels?
- (1) Cryoglobulinemia
 - (2) HSP
 - (3) Polyarteritis nodosa
 - (4) ANCA associated

129. Treatment of choice for Kawasaki's disease is -
- (1) IVIG (2) IV corticosteroids
(3) Aspirin (4) Methotrexate
130. Sequence of events in Raynaud's phenomenon includes -
- (1) Erythema - Cyanosis - Pallor (2) Pallor - Cyanosis - Erythema
(3) Cyanosis - Pallor - Erythema (4) Erythema - Pallor - Cyanosis
131. By what age 100% boys have retractable foreskin?
- (1) At Birth (2) At 1 year
(3) At 15 years (4) At 17 years
132. Lozenge shape keratinocyte is found in which condition?
- (1) Darier Disease (2) Hailey-Hailey Disease
(3) Zoon Balanitis (4) Pemphigus disorder
133. A 12-day-old baby had hypothermic cardiac surgery and one month later, the baby developed nodules of rubber consistency all over body. What is most likely diagnosis?
- (1) Cold panniculitis (2) Sclerema neonatorum
(3) Subcutaneous fat necrosis (4) Neonatal cold injury
134. Perianal ulceration is a complication of which drug?
- (1) Amiodarone (2) Nicorandil
(3) Verapamil (4) Ivabradine
135. Which statement is correct regarding carcinoma in-situ of penis?
- (1) Risk of progression to invasive squamous cell carcinoma is 10-33%.
(2) HPV 6 is most important factor in carcinoma in-situ.
(3) Spontaneous regression is not seen.
(4) Short foreskin is a risk factor for squamous cell carcinoma.
136. Which of the following is not a pigimentary birthmark of neonates?
- (1) Pigmentary mosaicism (2) Dermal melanocytosis
(3) Nevus simplex (4) Nevus anemicus
137. Omenn syndrome involves mutation in which gene?
- (1) RAG-1 or RAG-2 (2) STAT-3
(3) LYST (4) IKBKG

138. Which pregnancy Dermatitis is associated with no fetal risk?
- (1) Pemphigoid gestationis
 - (2) Intrahepatic cholestasis of pregnancy
 - (3) Pustular psoriasis of pregnancy
 - (4) Pruritic urticarial papules and plaques of pregnancy
139. Methenamine silver stains fungi is in which color?
- (1) Red
 - (2) Black
 - (3) Pink
 - (4) Blue
140. PHACE includes all of the following, except -
- (1) Posterior Fossa Brain Malformation
 - (2) Hair Anomalies
 - (3) Arterial Anomalies
 - (4) Cardiac Anomalies
141. A 35-year-old woman taking antidepressant came to skin OPD with complain of acute onset of monomorphic papule and pustule. On examination there was no comedone and cyst seen. Which TLR is elevated in this condition?
- (1) TLR - 2
 - (2) TLR - 3
 - (3) TLR - 7
 - (4) TLR - 8
142. How much point in RegiSCAR scoring is a definite for DRESS?
- (1) > 4
 - (2) > 5
 - (3) > 9
 - (4) > 3
143. Which of the following is most disabling complication of SJS – TEN?
- (1) Corneal scarring
 - (2) Bronchiolitis obliterans
 - (3) Vaginal adhesion
 - (4) Esophageal stricture
144. How many percentage of Hutchinson lupus develop Systemic LE?
- (1) 10%
 - (2) 20%
 - (3) 30%
 - (4) 40%
145. Disease of abnormal susceptibility to cold -
- (1) Frostbite
 - (2) Perniosis
 - (3) Trench foot
 - (4) All of the above
146. Symmetrical Drug Related Intertriginous And Flexural Exanthema (SDRIFE) is a type of hypersensitivity reaction to drug, is -
- (1) Type I Reaction
 - (2) Type II Reaction
 - (3) Type III Reaction
 - (4) Type IV Reaction

147. This is derived from *Myroxylon pereirae* -
- | | |
|----------------|--------------------|
| (1) Thiomersal | (2) Balsam of Peru |
| (3) Colophony | (4) Thiuram |
148. Which one of the following is least likely to cross react with *Toxicodendron* plant dermatitis?
- | | |
|------------------|----------------|
| (1) Cashew nut | (2) Mango rind |
| (3) Ginkgo treat | (4) Kiwi |
149. Chronic toxicity of which of the following heavy metals causes peripheral motor neuropathy?
- | | |
|-------------|--------------|
| (1) Arsenic | (2) Lead |
| (3) Cadmium | (4) Chromium |
150. Drug induced nail pigmentation is not seen in which of the following drugs?
- | | |
|-------------------|------------------|
| (1) Antimalarial | (2) Tetracycline |
| (3) Phenothiazine | (4) Silver |
151. Glomus tumour is -
- | | |
|---|--|
| (1) Actin \ominus , Desmin \oplus , CD 34 \oplus | (2) Actin \oplus , Desmin \ominus , CD 34 \oplus |
| (3) Actin \oplus , Desmin \ominus , CD 34 \ominus | (4) Actin \ominus , Desmin \oplus , CD 34 \oplus |
152. What is false regarding Kaposi sarcoma?
- (1) Paclitaxel is recently approved by FDA as first line treatment for advanced Kaposi sarcoma
 - (2) PAS positive, Diastase resistant, amorphous eosinophilia globules that are red on Mallory Trichrome stain
 - (3) Caused by HHV- 8
 - (4) CD 31, 34, D2-40 IHL positive
153. All of the features are suggestive of malignant transformation, except -
- | | |
|-----------------------------|-------------------------------|
| (1) Induration beneath horn | (2) Inflammation beneath horn |
| (3) Increase in height | (4) Low height to base ratio |
154. Neoplastic dyskeratosis is seen in -
- | | |
|-----------------------|-------------------------------|
| (1) Darier's disease | (2) Warty dyskeratoma |
| (3) Actinic keratosis | (4) Familial benign pemphigus |
155. Ugly – duckling sign is seen in -
- | | |
|-----------------------------|------------------------|
| (1) Basal cell carcinoma | (2) Malignant melanoma |
| (3) Squamous cell carcinoma | (4) Lymphomas |

156. Which of the following is not a feature of Cronkhite-Canada syndrome?
- (1) Diarrhoea (2) Alopecia
(3) Hyperpigmented macules (4) Lung carcinoma
157. Which statement is not true about Lichen striatus?
- (1) It occurs along the lines of Blaschko.
(2) Children and adolescents are most commonly affected.
(3) It is a self-limiting disease.
(4) Males are most commonly affected.
158. Which of the following is not an eccrine tumor?
- (1) Hidradenoma (2) Cyndroma
(3) Syringoma (4) Tubular adenoma
159. Which is not true for oral leukoplakia?
- (1) Strongest risk factor is tobacco
(2) It is the most common potential malignant lesion of the oral mucosa
(3) Cryotherapy is the first treatment of choice
(4) Leukoplakia is a clinical diagnosis of exclusion
160. Imiquimod acts as a -
- (1) Toll like receptor 7 agonist (2) Toll like receptor 2,3 agonist
(3) Toll like receptor 7 antagonist (4) Toll like receptor 2,3 antagonist
161. Which sign include thickened skin of palm and sole with enhanced dermatoglyphics change, causing velvety change?
- (1) Leser trelat (2) Florid cutaneous papillomatosis
(3) Music box sign (4) Tripe palm
162. A male patient develops palmoplantar pustulosis and psoriasiform hyperkeratosis and asymmetrical large joint oligoarthritis with dactylitis and urethritis. It was associated with fever and malaise. What is the missing triad in this condition?
- (1) HLA-B27 positivity (2) Keratoderma blennorrhagica
(3) Circinate Balanitis (4) Conjunctivitis and anterior Uveitis
163. Tetralogy of Fallot is main cardinal feature of which condition?
- (1) Naxos syndrome (2) Carney complex
(3) DiGeorge syndrome (4) Wilson disease

164. Cutis Verticis Gyrata is associated with which endocrine disorder?
- (1) Cushing syndrome (2) Addison's disease
(3) Acromegaly (4) Glucagonoma
165. Sunburst pattern in dermatoscopy is seen in -
- (1) Reed naevus (2) Nevus spilus
(3) Compound naevus (4) Malignant melanoma
166. Keratinocyte Chemoattractant for Paget's disease is -
- (1) TNF - β (2) Haemoglobin
(3) Interleukin 8 (4) Heregulin
167. Which of the following is not a cutaneous marker of internal malignancy?
- (1) Bullous Pemphigoid (2) Acanthosis nigricans
(3) Erythema chronicum migrans (4) Dermatomyositis
168. Which of the following is not a classical feature of vasculitis?
- (1) Fibrinoid Necrosis
(2) Infiltration of neutrophils in vessel wall
(3) Presence of nuclear dust
(4) Excavation of platelet in vessel wall and dermis
169. Which of the following is not a feature of LEOPARD syndrome?
- (1) Lentigines (2) Delayed growth
(3) Endocardial defects (4) Deafness
170. Terry's nail are seen in all these conditions, except -
- (1) Liver Cirrhosis (2) Chronic Osteomyelitis
(3) Chronic liver failure (4) Congestive heart failure
171. Which antioxidant is most abundant on skin?
- (1) Vitamin A (2) Vitamin B
(3) Vitamin C (4) Vitamin E
172. Which one is a biological filler?
- (1) Polyacrylamide (2) Poly-L Lactic Acid
(3) Polyalkylamide (4) Poly methyl methacrylate

173. What is pharmaceutical name of Botox?
- (1) Onabotulinum toxin type A (2) Abo botulinum toxin type A
(3) Inco botulinum toxin type A (4) Rima botulinum toxin type B
174. Which type of laser is used for skin resurfacing?
- (1) Er:YAG 2940 nm (2) PDL
(3) KTP 532 nm (4) Alexandrite 758 nm
175. 'Ultherapy' is based on the principal of -
- (1) Laser technology (2) Ultrasonography
(3) Dermal fillers (4) Radiofrequency cautery
176. For 'cut and coagulation' in dermatology, who devised first electrosurgical device?
- (1) Dr Niels Ryberg (2) William Bovie
(3) Irving Ellman (4) Theodore Maiman
177. Jessner's chemical peel comprises of all, except -
- (1) Resorcinol (2) Salicylic acid
(3) Lactic acid (4) Glycolic acid
178. Who was the first person to create laser?
- (1) Omer Ibrahim (2) Jeffery S. Dover
(3) Theodore Maiman (4) Leslie Baumann
179. What is the wavelength of diode laser used for hair removal?
- (1) 810 nm (2) 1064 nm
(3) 755 nm (4) 1450-1550 nm
180. All these depigmenting agents are Tyrosinase inhibitors, except -
- (1) Vitamin C (2) Soy
(3) Mulberry extract (4) Kojic acid
-

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