

Exam Date 03/07/2025

790021

प्रश्न-पुस्तिका संख्या व बारकोड /
Question Booklet No. & Barcode

MPA-25

इस प्रश्न-पुस्तिका को तब तक न खोलें जब तक
कहा न जाए। Do not open this Question
Booklet until you are asked to do so.पुस्तिका में पृष्ठों की संख्या : 24
Number of Pages in Booklet : 24
पुस्तिका में प्रश्नों की संख्या : 150
No. of Questions in Booklet : 150

Paper Code : 55

Sub : Dermatology, Venereology and
Leprosy/Skin & V.D.

समय : 02:30 घण्टे + 10 मिनट अतिरिक्त*

अधिकतम अंक : 150

Time : 02:30 Hours + 10 Minutes Extra*

Maximum Marks : 150

प्रश्न-पुस्तिका के पेपर की सील/पोलिथीन बैग को खोलने पर प्रश्न-पत्र हल करने से पूर्व परीक्षार्थी यह सुनिश्चित कर लें कि :

- प्रश्न-पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड संख्या समान हैं।
- प्रश्न-पुस्तिका एवं ओ.एम.आर. उत्तर-पत्रक के सभी पृष्ठ व सभी प्रश्न सही मुद्रित हैं। समस्त प्रश्न, जैसा कि ऊपर वर्णित है, उपलब्ध हैं तथा कोई भी पृष्ठ कम नहीं है / मुद्रण त्रुटि नहीं है। किसी भी प्रकार की विसंगति या दोषपूर्ण होने पर परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। यह सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी। परीक्षा प्रारम्भ होने के 5 मिनट पश्चात् ऐसे किसी दावे/आपत्ति पर कोई विचार नहीं किया जायेगा।

On opening the paper seal/polythene bag of the Question Booklet before attempting the question paper, the candidate should ensure that :

- Question Booklet Number and Barcode Number of OMR Answer Sheet are same.
- All pages & Questions of Question Booklet and OMR Answer Sheet are properly printed. All questions as mentioned above are available and no page is missing/misprinted.

If there is any discrepancy/defect, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this. No claim/objection in this regard will be entertained after five minutes of start of examination.

परीक्षार्थियों के लिए निर्देश

1. प्रत्येक प्रश्न के लिये एक विकल्प भरना अनिवार्य है।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का मात्र एक ही उत्तर दीजिए। एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
4. OMR उत्तर-पत्रक इस प्रश्न-पुस्तिका के अन्दर रखा है। जब आपको प्रश्न-पुस्तिका खोलने को कहा जाए, तो उत्तर-पत्रक निकाल कर ध्यान से केवल नीले बॉल पॉइंट पेन से विवरण भरें।
5. कृपया अपना रोल नम्बर ओ.एम.आर. उत्तर-पत्रक पर सावधानीपूर्वक सही भरें। गलत रोल नम्बर भरने पर परीक्षार्थी स्वयं उत्तरदायी होगा।
6. ओ.एम.आर. उत्तर-पत्रक में करेक्शन पेन/व्हाइटनर/सफेदा का उपयोग निषिद्ध है।
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।
8. प्रत्येक प्रश्न के पाँच विकल्प दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4, 5 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले (बबल) को उत्तर-पत्रक पर नीले बॉल पॉइंट पेन से गहरा करना है।
9. यदि आप प्रश्न का उत्तर नहीं देना चाहते हैं तो उत्तर-पत्रक में पाँचवें (5) विकल्प को गहरा करें। यदि पाँच में से कोई भी गोला गहरा नहीं किया जाता है, तो ऐसे प्रश्न के लिये प्रश्न अंक का 1/3 भाग काटा जायेगा।
- 10.* प्रश्न-पत्र हल करने के उपरांत अभ्यर्थी अनिवार्य रूप से ओ.एम.आर. उत्तर-पत्रक जाँच लें कि समस्त प्रश्नों के लिये एक विकल्प (गोला) भर दिया गया है। इसके लिये ही निर्धारित समय से 10 मिनट का अतिरिक्त समय दिया गया है।
11. यदि अभ्यर्थी 10% से अधिक प्रश्नों में पाँच विकल्पों में से कोई भी विकल्प अंकित नहीं करता है तो उसको अयोग्य माना जायेगा।
12. मोबाइल फोन अथवा अन्य किसी 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।

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 राजस्थान सार्वजनिक परीक्षा (भर्ती) में अनुचित साधनों की रोकथाम अध्यापय) अधिनियम, 2022 तथा अन्य प्रभावी कानून एवं आयोग के नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही आयोग ऐसे अभ्यर्थी को भविष्य में होने वाली आयोग की समस्त परीक्षाओं से विवर्जित कर सकता है।

उत्तर-पत्रक में दो प्रतियाँ हैं - मूल प्रति और कार्बन प्रति। परीक्षा समाप्ति पर परीक्षा कक्ष छोड़ने से पूर्व परीक्षार्थी उत्तर-पत्रक की दोनों प्रतियाँ वीक्षक को सौंपेंगे, परीक्षार्थी स्वयं कार्बन प्रति अलग नहीं करें। वीक्षक उत्तर-पत्रक की मूल प्रति को अपने पास जमा कर, कार्बन प्रति को मूल प्रति से कट लाइन से मोड़ कर सावधानीपूर्वक अलग कर परीक्षार्थी को सौंपेंगे, जिसे परीक्षार्थी अपने साथ ले जायेंगे। परीक्षार्थी को उत्तर-पत्रक की कार्बन प्रति चयन प्रक्रिया पूर्ण होने तक सुरक्षित रखनी होगी एवं आयोग द्वारा माँगे जाने पर प्रस्तुत करनी होगी।

INSTRUCTIONS FOR CANDIDATES

1. It is mandatory to fill one option for each question.
2. All questions carry equal marks.
3. Only one answer is to be given for each question. If more than one answers are marked, it would be treated as wrong answer.
4. The OMR Answer Sheet is inside this Question Booklet. When you are directed to open the Question Booklet, take out the Answer Sheet and fill in the particulars carefully with Blue Ball Point Pen only.
5. Please correctly fill your Roll Number in OMR Answer Sheet. Candidates will themselves be responsible for filling wrong Roll No.
6. Use of Correction Pen/Whitener in the OMR Answer Sheet is strictly forbidden.
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.
8. Each question has five options marked as 1, 2, 3, 4, 5. You have to darken only one circle (bubble) indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
9. If you are not attempting a question then you have to darken the circle '5'. If none of the five circles is darkened, one third (1/3) part of the marks of question shall be deducted.
- 10.* After solving question paper, candidate must ascertain that he/she has darkened one of the circles (bubbles) for each of the questions. Extra time of 10 minutes beyond scheduled time, is provided for this.
11. A candidate who has not darkened any of the five circles in more than 10% questions shall be disqualified.
12. 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 with as per rules.

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 be liable to be prosecuted under Rajasthan Public Examination (Measures for Prevention of Unfair means in Recruitment) Act, 2022 & any other laws applicable and Commission's Rules-Regulations. Commission may also debar him/her permanently from all future examinations.

1. Which of the following is not a common adverse effect of thalidomide ?
- (1) Venous and arterial thrombosis
 - (2) Intracranial hypertension
 - (3) Endocrine effects - hypothyroidism, hypo/hyperglycemia, hypocalcemia
 - (4) Anemia, neutropenia, lymphopenia
 - (5) Question not attempted
2. Which of the following is not a method of linear closure of a wound ?
- (1) M-plasty
 - (2) Z-plasty
 - (3) S-plasty
 - (4) Dog ear repair
 - (5) Question not attempted
3. Bleeding during dermatosurgery can be reduced by
- (1) Having proper knowledge of vasculature of the area
 - (2) Taking proper history of drugs which might cause increase in bleeding and clotting time
 - (3) Having proper knowledge of vasculature of the area and taking proper history of drugs which might cause increase in bleeding and clotting time
 - (4) None of these
 - (5) Question not attempted
4. How much dose of Lidocaine is permissible when using tumescent anaesthesia ?
- (1) 200 mg if combined with adrenaline
 - (2) 500 mg (7 mg/kg) to 55 mg/kg in appropriate setting
 - (3) 175 mg (2 mg/kg)
 - (4) 120 mg
 - (5) Question not attempted
5. Which of the following Q-switched laser is effective in treatment of green tattoo ink ?
- (1) Nd:YAG (1064 nm)
 - (2) Nd:YAG (532 nm)
 - (3) Alexandrite (755 nm)
 - (4) CO₂ laser (10600 nm)
 - (5) Question not attempted
6. Characteristic of molluscum contagiosum virus is
- (1) Nucleic acid DNA-ds
 - (2) Nucleic acid DNA-ss
 - (3) Nucleic acid RNA-ss (-)
 - (4) Nucleic acid RNA-ss (+)
 - (5) Question not attempted
7. Rituximab, a monoclonal antibody act by
- (1) Depletion of T-cell
 - (2) Using anti CD-20 antigen
 - (3) Affects plasma cell activity
 - (4) Both, depletion of T-cell and using anti CD-20 antigen
 - (5) Question not attempted

8. Which one of the following is false statement ?

- (1) 1 Finger Tip Unit (FTU) is quantity of drug from 5 mm diameter opening and extending from distal crease of forefinger to ventral aspect of finger tip
- (2) Liposomes are structures comprising an aqueous phase surrounded by a lipid capsule
- (3) Ointment are semisolid vehicle composed of lipid and have occlusive and emolient property
- (4) Paints are liquid formulation that are simple suspension or solution of drug in water, alcohol or other liquid
- (5) Question not attempted

9. Which HPV is detected in actinic keratosis ?

- (1) HPV-15 γ
- (2) HPV-90 α
- (3) HPV-107 β
- (4) HPV-174 β
- (5) Question not attempted

10. Most common cause of Trichomycosis axillaris

- (1) Trichophyton rubrum
- (2) Microsporum canis
- (3) Corynebacterium flavescens
- (4) Trichophyton mentagrophytes
- (5) Question not attempted

11. What is Profela's Law in connection to congenital Syphilis ?

- (1) Syphilitic infants could transmit the disease to previously healthy wet nurses but not to own mother
- (2) A healthy infant born to a syphilitic mother is immune to the disease
- (3) The untreated syphilitic mother tends to improve on her past performances
- (4) None of these
- (5) Question not attempted

12. Melioidosis is caused by

- (1) Burkholderia mallei
- (2) Burkholderia pseudomallei
- (3) Francisella tularensis
- (4) Klebsiella pneumoniae subsp. Rhinoscleromatis
- (5) Question not attempted

13. According to Ridley's logarithmic scale, a bacteriological index of 3+ means

- (1) 1-10 bacilli in 10 fields
- (2) 10-100 bacilli on average, in each field
- (3) 1-10 bacilli on average, in each field
- (4) 100-1000 bacilli on average, in each field
- (5) Question not attempted

14. Armauer Hansen discovered *Mycobacterium leprae* in
- (1) 1882
 - (2) 1873
 - (3) 1871
 - (4) 1872
 - (5) Question not attempted
15. Polymorphism of which interleukin promotor is reported to be associated with resistance to leprosy in Indian population ?
- (1) IL-6
 - (2) IL-10
 - (3) IL-17
 - (4) IL-1
 - (5) Question not attempted
16. What is NOT TRUE regarding treatment of leprosy ?
- (1) Rifampicin is a potent bactericidal drug.
 - (2) Rifampicin may be given as solo therapy.
 - (3) Rifampicin inhibit DNA dependent RNA polymerase thereby interfering bacterial RNA synthesis.
 - (4) Hepatotoxicity with transient elevation of hepatic transaminases may occur.
 - (5) Question not attempted
17. The size of *Treponema pallidum* is
- (1) 3-5 μm
 - (2) 6-15 μm
 - (3) 16-20 μm
 - (4) 1-2 μm
 - (5) Question not attempted
18. Necklace of venus was described in which of the following stage of syphilis ?
- (1) Congenital syphilis
 - (2) Secondary syphilis
 - (3) Tertiary syphilis
 - (4) Neurosyphilis
 - (5) Question not attempted
19. Which statement is True about HIV infection ?
- (1) Patient with symptomatic primary HIV infection progress more rapidly than those with asymptomatic seroconversion.
 - (2) CD-4 T-cell count is very important predictor of disease progression.
 - (3) Plasma HIV RNA viral load correlate well with the extent of viral replication
 - (4) All of these
 - (5) Question not attempted

20. Which is the most sensitive serological test in untreated primary stage of syphilis ?
- (1) VDRL
 - (2) FTA ABS
 - (3) RPR
 - (4) EIA
 - (5) Question not attempted
21. What is not TRUE about Dengue ?
- (1) This is mosquito born viral infection.
 - (2) Fever, headache and joint pain is characteristic.
 - (3) Dry mouth and taste change may be present.
 - (4) Ulcerative lesions may be seen in skin & mucous membrane.
 - (5) Question not attempted
22. Most common serovar of Chlamydia trachomatis causing Lymphogranuloma venereum :
- (1) L1
 - (2) L2
 - (3) L3
 - (4) D-K
 - (5) Question not attempted
23. What is TRUE about Wood's light examination ?
- (1) It transmits UVR of 365 nm.
 - (2) Wood's glass is composed by barium silicate 9% and nickel oxide
 - (3) It helps in diagnosis of microsporium audouinii and canis by producing brilliant green fluorescence
 - (4) All of these
 - (5) Question not attempted
24. Which HIV-1 subtype (Clade) is common cause of HIV infection in India ?
- (1) C
 - (2) D
 - (3) A
 - (4) B
 - (5) Question not attempted
25. The virus responsible for causing Roseola infantum are
- (1) HHV 4 & 5
 - (2) HHV 6 & 7
 - (3) HHV 3 & 4
 - (4) HHV 1 & 2
 - (5) Question not attempted
26. Paler green fluorescence in infected hair is seen in Wood's light by following strain of fungus :
- (1) Microsporium audouinii
 - (2) Microsporium canis
 - (3) Trichophyton schonleinii
 - (4) Microsporium gypseum
 - (5) Question not attempted
27. What is false about HSV-I infection ?
- (1) Eczema herpetiam can be associated with recurrent or primary infection.
 - (2) In herpes associated erythema multiforme, virus can be seen.
 - (3) Herpes associated erythema multiforme occur several day to 2 weeks after herpetic eruption
 - (4) Resistance of herpes virus to acyclovir is due to change in or less viral thymidine kinase
 - (5) Question not attempted

28. Etiological agent of pale grain mycetoma is
- (1) *Trematosphaeria grisea*
 - (2) *Medicorpus reomeroi*
 - (3) *Plenodomus senegalensis*
 - (4) *Neotestudina rosatii*
 - (5) Question not attempted
29. Which kind of rash is classically associated with Leiner's disease?
- (1) Pityriasis rosea like
 - (2) Morbiliform rash
 - (3) Psoriasiform rash
 - (4) Seborrhoeic rash
 - (5) Question not attempted
30. Cutaneous larva migrans is caused by
- (1) *Toxocara canis*
 - (2) *Toxocara cati*
 - (3) *Trichinella spiralis*
 - (4) *Unicraria stenocephala*
 - (5) Question not attempted
31. All of the following drugs can exacerbate psoriasis except :
- (1) INF- α
 - (2) Antimalarials
 - (3) PDE 4 inhibitors
 - (4) TNF α inhibitors
 - (5) Question not attempted
32. Ixekizumab monoclonal antibody is targeted against
- (1) IL-12/ IL-23 p40
 - (2) IL-17A
 - (3) TNF- α
 - (4) IL-17RA
 - (5) Question not attempted
33. All are cutaneous manifestations of DM except
- (1) Granuloma annular
 - (2) Chireo arthropathy
 - (3) Talon noir
 - (4) Reactive folliculitis
 - (5) Question not attempted
34. Which element in dental amalgam is considered responsible for oral lichen planus?
- (1) Copper
 - (2) Gold
 - (3) Silver
 - (4) Mercury
 - (5) Question not attempted
35. A patient with yellow string of pearls like papules over eye lids along hoarseness of voice; at age of 5 years; what is your probable diagnosis?
- (1) Pseudoxanthoma elasticum
 - (2) Buschi Olendorf syndrome
 - (3) Lipoid proteinosis
 - (4) Winchester syndrome
 - (5) Question not attempted

36. Which organ of body is not the primary target of Graft-versus-host disease ?
- (1) Skin
 - (2) Liver
 - (3) GI tract
 - (4) Spleen
 - (5) Question not attempted
37. Which of the following is the stain for calcium ?
- (1) Masson fontana
 - (2) Von kossa
 - (3) Alcian blue
 - (4) Gomori methamine
 - (5) Question not attempted
38. Mechanism of action of topical Crisaborole in atopic dermatitis is
- (1) Inhibition of Phosphodiesterase-4 (PDE4)
 - (2) Inhibition of JAK-STAT pathway
 - (3) Calcineurin inhibition
 - (4) Emollient activity
 - (5) Question not attempted
39. In a patient with urticariapigmentosum which is most useful surrogate marker ?
- (1) LDH
 - (2) Alkaline phosphatase
 - (3) Serum tryptase
 - (4) Serum trypsin
 - (5) Question not attempted
40. Which of the following new small molecule with histamine-4 receptor antagonist activity is in late phase trial for the treatment of atopic dermatitis ?
- (1) Cimetidine
 - (2) Meclizine
 - (3) ABT-239
 - (4) ZPL-389
 - (5) Question not attempted
41. Revised international criteria for Behcet's disease includes all except
- (1) Positive pathergy
 - (2) Jaundice
 - (3) CNS involvement
 - (4) Oral aphthous ulcers
 - (5) Question not attempted
42. Clinical variant of Hereditary angioedema, Clarkson syndrome is associated with
- (1) IgE paraproteinemia
 - (2) IgG paraproteinemia
 - (3) IgA paraproteinemia
 - (4) IgM paraproteinemia
 - (5) Question not attempted
43. While performing DIF of bullous pemphigoid what is excepted result ?
- (1) Granular IgG deposits at DEJ
 - (2) Linear IgG deposits at Epidermal side of basement membrane
 - (3) Granular Ig-A
 - (4) Linear IgG deposits at dermal side of basement membrane
 - (5) Question not attempted

44. Which of the following is obligate criteria of autoinflammatory disease Schnitzler syndrome as per Strasbourg diagnostic criteria ?
- (1) Recurrent fever
 - (2) Neutrophilic dermal infiltrate on skin biopsy
 - (3) Leukocytosis
 - (4) Monoclonal IgM or IgG
 - (5) Question not attempted
45. A 50 year old female presented with recurrent non-itchy symmetrical urticarial eruptions with fever & arthralgia, on blood investigation Leucocytosis, raised ESR (>30), Neutrophilic dermal infiltrate on skin biopsy with persistent raised Monoclonal IgM which syndrome ?
- (1) CAPS
 - (2) FCAS
 - (3) Schnitzler syndrome
 - (4) CANDLE
 - (5) Question not attempted
46. Which of the following oral cytoreductive drug has been recently approved for treatment of advanced systemic mastocytosis ?
- (1) Avapritinib
 - (2) Ruxolitinib
 - (3) Interferon- α
 - (4) Cladribine
 - (5) Question not attempted
47. "Darrier sign" is not seen in
- (1) Juvenile Xanthogranuloma
 - (2) Urticaria pigmentosa
 - (3) Muckle well syndrome
 - (4) Acute lymphoblastic leukemia of neonate
 - (5) Question not attempted
48. According to International Society of Nephrology Classification, Class II Lupus Nephritis (LN) has following changes ?
- (1) Diffuse LN, glomerulonephritis involving >50% of all glomeruli in 40% of the cases; renal failure common.
 - (2) Advance sclerosing LN more than or equal to 90% of glomeruli sclerosed.
 - (3) Membranous LN: global or segmental subendothelial deposits by light microscope in 10% of cases; renal failure uncommon.
 - (4) Mesangial proliferative LN, mesangial hypercellularity with no subendothelial deposits by light microscope in 20% of cases, renal failure rare.
 - (5) Question not attempted

49. Which statement is not correct for poor prognostic markers of Adamantiades-Behcet's disease?

- (1) Male gender
- (2) Onset in childhood
- (3) Early development of systemic sign
- (4) HLA-B51 positivity
- (5) Question not attempted

50. Which Myositis-Specific Antibody (MSA) has association with calcinosis in dermatomyositis?

- (1) Mi-2
- (2) MDA-5
- (3) Jo-1
- (4) NXP-2
- (5) Question not attempted

51. Amyloid exhibits which colour on congo red stain when viewed under polarised light?

- (1) Black
- (2) Apple Green
- (3) Coral Red
- (4) Blue
- (5) Question not attempted

52. Which of the following statement correctly describes the structure of amyloid protein?

- (1) Highly variable antiparallel β sheet conformation, branching linear fibrils of variable lengths with diameter 7.5-10 nm
- (2) Highly conserved parallel β sheet conformation, branching linear fibrils of variable lengths with diameter 7.5-10 nm
- (3) Highly conserved antiparallel β sheet conformation, non branching linear fibrils of variable lengths with diameter 7.5-10 nm
- (4) Highly variable antiparallel α helical conformation, non branching linear fibrils of variable lengths with diameter 7.5-10 nm
- (5) Question not attempted

53. Which is not associated with traps?

- (1) Periorbital oedema
- (2) Migratory cutaneous erythemas
- (3) Conjunctivitis
- (4) Cutis laxa
- (5) Question not attempted

54. In plasma spectrofluorimetry of erythropoietic protoporphyria, emission peak is seen at
- (1) 626-634 nm
 - (2) 624-627 nm
 - (3) 615-620 nm
 - (4) 620-624 nm
 - (5) Question not attempted
55. Which idiopathic calcification of skin and subcutaneous tissues is found most commonly in children with Down's syndrome ?
- (1) Calcinosis circumscripta
 - (2) Heel prick calcinosis
 - (3) Tumoral calcinosis cutis
 - (4) Miliary calcinosis cutis
 - (5) Question not attempted
56. Porphyria cutanea tarda occurs due to deficiency of
- (1) Ala dehydratase
 - (2) Proto porphyrinogen oxidase
 - (3) Uro porphyrinogen decarboxylase
 - (4) Porpho bilinogen deaminase
 - (5) Question not attempted
57. What is the inheritance pattern of Menkes disease ?
- (1) Autosomal dominant
 - (2) Autosomal recessive
 - (3) X linked dominant
 - (4) X linked recessive
 - (5) Question not attempted
58. A paediatric patient presents with photo distributed erythema, cerebellar ataxia and amino acid uria. Which deficiency you will suspect ?
- (1) Vitamin B₃
 - (2) Vitamin B₉
 - (3) Vitamin B₁₂
 - (4) Vitamin E
 - (5) Question not attempted
59. Which of the following statement about Haily-Haily disease is incorrect ?
- (1) Lesions are flaccid vesicals
 - (2) Heal with hypertrophic scarring
 - (3) Heat/friction are precipitating causes
 - (4) ATP-2C1 mutation is seen
 - (5) Question not attempted
60. What is the mode of inheritance and gene involved in Vohwinkel syndrome (Palmoplantar keratoderma with hearing impairment) ?
- (1) Autosomal recessive; SLURP1
 - (2) Autosomal dominant; GJB 2
 - (3) Autosomal recessive; WNT 10A
 - (4) Autosomal dominant; KRT6A
 - (5) Question not attempted

- 790021
61. What are the chronological stages for incontinentia pigmenti ?
- Vesicular
 - Hyperpigmentation
 - Atrophy
 - Verrucous
- a, b, c, d
 - b, a, c, d
 - a, c, b, d
 - a, d, b, c
 - Question not attempted
62. Loose skin is the clinical finding in which type of Tricho-Rhino-Phalangeal Syndrome (TRPS) ?
- TRPS I
 - TRPS II
 - TRPS III
 - Both TRPS I and III
 - Question not attempted
63. In pachyonychia congenita, all are true except
- Planter pain
 - Planter keratoderma
 - Dystrophic nail
 - Fragile bones
 - Question not attempted
64. All of the following inherited pigmentation syndromes are caused by defect in lysosomal biogenesis and transport including melanosomes, except
- Waardenburg syndrome
 - Hermansky-Pudlak syndrome
 - Chediak-Hegashi syndrome
 - Griscelli-Prunieras syndrome
 - Question not attempted
65. Hair shafts showing 180° twist under microscope. What does it suggest ?
- Trichorrhexis nodosa
 - Monilethrix
 - Pili torti
 - Trichorrhexis invaginita
 - Question not attempted
66. According to the Beighton scoring, which score out of 9 is considered diagnostic for joint hypermobility in patients of Ehlers-Danlos syndrome less than 50 years old ?
- 4 or more
 - 5 or more
 - 6 or more
 - 7 or more
 - Question not attempted
67. What is the characteristic feature for nail patella syndrome ?
- Crescent shaped lunula
 - Triangular lunula
 - Red lunula
 - White lunula
 - Question not attempted
68. Which of the following poikiloderma syndromes can lead to death from bone marrow failure at a middle age of 30-50 years ?
- Kindler syndrome
 - Poikiloderma with neutropenia
 - Rothmond-Thomson syndrome
 - Dyskeratosis congenita
 - Question not attempted
- 790021

69. Which of the following is not a nucleotide excision repair defect ?
- (1) Cockayne syndrome
 - (2) Trichothio dystrophy
 - (3) Xeroderma pigmentosum
 - (4) Ataxia telengeltasia
 - (5) Question not attempted
70. At least how many unguinal fibromas should be present in a case of tuberous sclerosis to fulfil the diagnostic criteria ?
- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
 - (5) Question not attempted
71. Which of the following mediator of itch binds to a receptor Lysophosphatidic Acid (LPA) in pathophysiology of hepatic pruritus ?
- (1) Periostin
 - (2) Autotaxin
 - (3) Bilirubin
 - (4) Cathepsin S
 - (5) Question not attempted
72. "Specimen Sign" is a feature of
- (1) Anorexia nervosa
 - (2) Ekbohm disease
 - (3) Bulimia
 - (4) Neurodermatitis
 - (5) Question not attempted
73. First line of treatment for delusional parasitosis in recent time
- (1) First generation antipsychotics
 - (2) Second generation antipsychotics
 - (3) Phototherapy
 - (4) Tricyclic antidepressants
 - (5) Question not attempted
74. Which of the following statement is correct regarding Post Herpetic Neuralgia (PHN) prevention ?
- (1) In older adults with localized herpes zoster, oral acyclovir reduces acute pain and healing time if treatment is initiated only within 24 hours of the onset of eruption.
 - (2) Systemic corticosteroids given during acute herpes zoster reactivation are ineffective in preventing PHN.
 - (3) Penciclovir and valaciclovir can significantly reduce the incidence of PHN.
 - (4) Vaccines cannot significantly reduce the burden of illness (both clinical herpes and PHN) in men and women >60 years of age.
 - (5) Question not attempted

75. Which is not included in Horner's syndrome ?
- (1) Madrosis
 - (2) Ptosis
 - (3) Miosis
 - (4) Anhidrosis
 - (5) Question not attempted
76. Which of the following Hereditary Sensory and Autonomic Neuropathies (HSANs) is known as Riley Day syndrome ?
- (1) HSAN I
 - (2) HSAN II
 - (3) HSAN III
 - (4) HSAN IV
 - (5) Question not attempted
77. First choice of treatment for Vulvodynia except
- (1) Topical Lidocain gel
 - (2) Amytriptillin
 - (3) Doxepin
 - (4) Carbamazepin
 - (5) Question not attempted
78. Which of the following is a compulsory criteria in diagnostic criteria proposed for psychogenic itch ?
- (1) Pruritus that can be improved by psychotropic drugs
 - (2) Associated psychological disorder
 - (3) Chronic pruritus (>6 weeks)
 - (4) Variations in intensity associated with stress
 - (5) Question not attempted
79. The classical triad for erythromelanosis follicularis faciei et colli includes all, except
- (1) Follicular hyperkeratosis
 - (2) Comedones
 - (3) Erythema
 - (4) Hyper Pigmentation
 - (5) Question not attempted
80. Carotenoderma typically occurs when daily ingestion of β -carotene exceeds :
- (1) 17 mg
 - (2) 25 mg
 - (3) 30 mg
 - (4) 20 mg
 - (5) Question not attempted
81. Epidermal melanin unit of Melanocyte : Keratinocyte is
- (1) 1 : 36
 - (2) 36 : 1
 - (3) 1 : 16
 - (4) 16 : 1
 - (5) Question not attempted
82. Which is the only US-FDA and EMA approved biologic agent for hidradenitis suppurativa ?
- (1) Tetracyclines
 - (2) Clindamycin
 - (3) Isotretinoin
 - (4) Adalimumab
 - (5) Question not attempted

- 790021
83. Which site is common for 'sand paper' comedones ?
- (1) Forehead
 - (2) Nose
 - (3) Cheeks
 - (4) Shoulder
 - (5) Question not attempted
84. Axillary malodour has been associated with wet type ear wax and this condition is caused by mutation in which gene ?
- (1) ABCC 6
 - (2) ABCC 10
 - (3) ABCC 11
 - (4) ABCC 4
 - (5) Question not attempted
85. Which statement is true regarding median canaliform dystrophy of Heller ?
- (1) The nail is split usually in midline, with fir tree like appearance of ridges angled backwards.
 - (2) Fingernails and thumb nails are equally involved.
 - (3) Even after a period of months or years, the nails never return to normal.
 - (4) It is uncommon in children under 10 years.
 - (5) Question not attempted
86. In SHAPO syndrome "A" denotes :
- (1) Acne
 - (2) Arthritis
 - (3) Acanthosis
 - (4) Androgenetic alopecia
 - (5) Question not attempted
87. Granuloma annulare has been reported in association with which of the following conditions ?
- (1) Hyperbilirubinemia
 - (2) Appendicitis
 - (3) Irritable bowel syndrome
 - (4) Autoimmune thyroiditis
 - (5) Question not attempted
88. Which of the following disorder is predominantly septal panniculitis ?
- (1) Subcutaneous granuloma annulare
 - (2) Subcutaneous Sweets syndrome
 - (3) Subcutaneous sarcoidosis
 - (4) Drug induced panniculitis
 - (5) Question not attempted
89. Pinpoint, cayenne paper purpura less than 5 mm are seen in which conditions ?
- (1) Schamberg's disease
 - (2) Cutaneous T-cell Lymphoma
 - (3) Runner's leg
 - (4) All of these
 - (5) Question not attempted
90. Kawasaki disease is cutaneous vasculitis of
- (1) Small vessel
 - (2) Large vessel
 - (3) Medium vessel
 - (4) ANCA associated
 - (5) Question not attempted

91. Variable T cell subsets with predominance of GATA-3 lymphocytes is found in pathophysiology of which disease ?

- (1) Erythema elevatum diutinum
- (2) Granuloma faciale
- (3) IgA vasculitis
- (4) Cutaneous small vessel vasculitis
- (5) Question not attempted

92. What is the classic presentation of Meltzer triad in cryoglobulinemic vasculitis ?

- (1) Arthritis, purpura and weight loss
- (2) Arthralgia, purpura and weakness
- (3) Arthralgia, headache and weakness
- (4) Arthritis, purpura and weakness
- (5) Question not attempted

93. In Klippel-Trenaunay syndrome, all statements are true, except

- (1) Capillary malformation
- (2) Soft tissue overgrowth
- (3) Bone overgrowth
- (4) Presence of AV-fistula
- (5) Question not attempted

94. Histological appearance of dilatation of post capillary venules of upper horizontal (subpapillary) plexus is seen in which telangiectasia ?

- (1) Nevus flammeus
- (2) Generalized essential telangiectasia
- (3) Cherry angiomas
- (4) Hereditary hemorrhagic telangiectasia
- (5) Question not attempted

95. "Inherited Champagne bottle" shaped legs seen in

- (1) Migratory thrombophlebitis
- (2) Acute cellulitis
- (3) Recurrent cellulitis
- (4) Chronic cellulitis
- (5) Question not attempted

96. Underlying genetic defect of Milroy's disease is in the gene encoding :

- (1) VEGFR3
- (2) KIF1
- (3) FOXC2
- (4) GATA2
- (5) Question not attempted

104. What are the approximate chances of neonatal lupus erythematosus (NE) in Ro-positive/La-positive mother's first child ?

- (1) 0.1-0.5%
- (2) 1-2%
- (3) 5-10%
- (4) 10-12%
- (5) Question not attempted

105. Which of the following is not a diagnostic criteria of Baboon's syndrome ?

- (1) Symmetrical distribution
- (2) Flexural involvement
- (3) Sharply demarcated lesions
- (4) Systemic symptoms
- (5) Question not attempted

106. Which of the following is a putative biomarker for DRESS and has been proposed as a marker of disease severity ?

- (1) IL36Ra
- (2) High Mobility Group Box 1 (HMGB1)
- (3) IL-3 and IL-5 gene polymorphisms
- (4) Interferon- α
- (5) Question not attempted

107. Which of the following is not a part of DRESS regi-scar scoring system ?

- (1) Eosinophilia
- (2) Neutrophilia
- (3) Increased ALP
- (4) Lymphadenopathy
- (5) Question not attempted

108. Which of the following is used for systemic management of EGFR inhibitor induced papulopustular eruptions ?

- (1) Cyclosporine
- (2) Prednisolone
- (3) Azithromycin
- (4) Tetracyclines
- (5) Question not attempted

109. Which of the following is an important late complication of SJS-TEN complex ?

- (1) Hypothermia
- (2) Leucopenia
- (3) Hypo albuminaemia
- (4) Bronchiolitis obliterans
- (5) Question not attempted

110. Which of the following recreational drugs can cause acneform facial rash (without comedones) ?

- (1) Cannabis
- (2) Amphetamines
- (3) Opiates
- (4) Ecstasy
- (5) Question not attempted

111. In Stockholm workshop scale for assessing vibration injury, which stage of vascular component denotes very severe grade of injury (trophic changes in the fingertips) ?

- (1) 3V
- (2) 4V
- (3) 5V
- (4) 6V
- (5) Question not attempted

112. A 8 year old female presented with perioral itching, redness after eating a raw mango, which of the following Allergen has caused the allergic contact dermatitis ?

- (1) Latex
- (2) Sesquiterpene lactone
- (3) Primin
- (4) Urishiol
- (5) Question not attempted

113. Livedo reticularis can be seen in which disease ?

- (1) Systemic sclerosis
- (2) Sjogren syndrome
- (3) Dermatomyositis
- (4) Churg Strauss syndrome
- (5) Question not attempted

114. Mees lines in nails are seen in chronic poisoning of which heavy metal ?

- (1) Arsenic
- (2) Lead
- (3) Silver
- (4) Nickel
- (5) Question not attempted

115. According to Kaya and Saurat's classification of cutaneous adnexal cysts, which of the following is a cyst with infundibulum epithelial wall ?

- (1) Tricholemmal cyst
- (2) Vellus hair cyst
- (3) Steatocystoma
- (4) Dermoid cyst
- (5) Question not attempted

116. Star burst pattern in dermoscopy is seen in

- (1) Clear cell acanthoma
- (2) Seborrhoeic keratosis
- (3) Spitz naevus
- (4) Vitiligo
- (5) Question not attempted

117. Which BRAF inhibitor has been reported to have dramatic efficacy in metastatic melanoma ?

- (1) Trastuzumab
- (2) Eculizumab
- (3) Interferon α
- (4) Vemurafenib
- (5) Question not attempted

118. Which of the following is not true about extra mammary Paget's disease ?

- (1) Well demarcated lesions
- (2) Pruritus is usually absent
- (3) IHC-Positive for CEA
- (4) Predominantly occurs in apocrine glands rich areas
- (5) Question not attempted

119. According to AIDS clinical trial group staging system, what is the CD4 T-cell count of a patient to be labelled as Stage I Kaposi sarcoma ?

- (1) $< 150/\text{mm}^3$
- (2) $< 180/\text{mm}^3$
- (3) $< 200/\text{mm}^3$
- (4) $< 250/\text{mm}^3$
- (5) Question not attempted

120. Which of following is not a main prognostic factor for primary melanoma ?

- (1) Ulceration
- (2) Age > 50
- (3) Breslow index
- (4) Immunosuppression
- (5) Question not attempted

121. Which of the following syndrome clinically presents with multiple Basal Cell Carcinomas (BCCs), follicular atrophoderma, hypotrichosis and hypohidrosis ?

- (1) Muir Torre syndrome
- (2) Bazex Dupre Christol syndrome
- (3) Birt Hogg Dube syndrome
- (4) Rothmund Thomson syndrome
- (5) Question not attempted

122. Which is the best known high-risk gene locus for malignant melanoma susceptibility ?

- (1) CDK 4
- (2) CDK 2B
- (3) BAP 1
- (4) CDKN 2A
- (5) Question not attempted

123. POEMS syndrome is abbreviated by all except

- (1) Pleura effusion
- (2) Organomegaly
- (3) Encrinopathy
- (4) Monoclonal gammopathy
- (5) Question not attempted

124. Which clinical type of Pyoderma gangrenosum associated with Myelo proliferative disorders ?

- (1) Classical ulcerative
- (2) Vegetative
- (3) Bullous
- (4) Pustular
- (5) Question not attempted

125. Palmar and plantar erythema can be observed in which internal malignancy ?

- (1) Gastrointestinal
- (2) Adrenal
- (3) Cerebral
- (4) Thyroid
- (5) Question not attempted

126. All are the cutaneous signs of acute pancreatitis except

- (1) Cullen's sign
- (2) Bryant's sign
- (3) Grey Turner sign
- (4) Steinberg's sign
- (5) Question not attempted

127. Which cytokine mutation predisposes an individual to develop mycobacterial skin granulomas ?

- (1) IFN- γ receptor 1 deficiency
- (2) IL-17 receptor deficiency
- (3) Dectin-1 deficiency
- (4) CARD-9 deficiency
- (5) Question not attempted

128. Cercinate balanitis strongly linked with

- (1) HLA DR-2
- (2) HLA DR-3
- (3) HLA DR-27
- (4) HLA DR-30
- (5) Question not attempted

129. Which of the following dermatological diseases is associated with Fibrosing alveolitis ?

- (1) Lupus erythematosus
- (2) Sarcoidosis
- (3) Mixed connective tissue disease
- (4) Anti phospholipid syndrome
- (5) Question not attempted

130. Erythema marginatum is seen with

- (1) Rheumatic fever
- (2) Enteric fever
- (3) Syphilis
- (4) Sarcoidosis
- (5) Question not attempted

131. Mechanism of action of Elaidyl-KFK peptides is

- (1) Upregulate production of collagen type I and III and tropoelastin through stimulation of elastin-binding protein receptor
- (2) Procollagen C proteinase inhibition, leading to decreased collagen breakdown
- (3) Downregulates matrix metalloproteinase mRNA
- (4) Promotes fibroblast and keratinocyte growth and differentiation
- (5) Question not attempted

132. Which aquaporin is predominantly reduced during aging ?

- (1) Aquaporin - 1
- (2) Aquaporin - 2
- (3) Aquaporin - 3
- (4) Aquaporin - 4
- (5) Question not attempted

133. Which of the following injectable filler has significant collagen stimulating potential ?

- (1) Calcium hydroxylapatite
- (2) Alginates
- (3) Poly-L-lactic acid
- (4) Polyacrylamides
- (5) Question not attempted

134. Which of the following is not used for treatment of immunological reactions of fillers ?

- (1) Hyaluronidase
- (2) Doxycyclin
- (3) 5-FU
- (4) Cephalixin
- (5) Question not attempted

135. α -hydroxy acid (AHAs) chemical peels were first introduced by

- (1) Ferdinand Hebra and Tilbury Foc
- (2) Cleopatra
- (3) Van Scott and Yu
- (4) Henry Pittard
- (5) Question not attempted

136. Which laser can be used for Red/Yellow colour tattoo ?

- (1) Ruby (694 nm)
- (2) Alexandrite (755 nm)
- (3) KTP (532 nm)
- (4) Nd-YAG (1064 nm)
- (5) Question not attempted

137. Non ablative wavelength of erbium fibre laser is

- (1) 2940 nm
- (2) 1550 nm
- (3) 1470/2940 nm
- (4) 1750 nm
- (5) Question not attempted

138. Which of the following muscle is responsible for horizontal forehead lines ?

- (1) Corrugator
- (2) Procerus
- (3) Frontalis
- (4) Orbicularis oculi
- (5) Question not attempted

139. Which book among the seven books of medical encyclopaedia written by Paul of Aegina, concerns skin disease ?

- (1) Book I
- (2) Book II
- (3) Book III
- (4) Book IV
- (5) Question not attempted

140. Which of the following sentences are true regarding skin biopsy reaching to Subcutaneous fat ?

- a. Better scar
 - b. Healing faster
 - c. Less bleeding
 - d. Less compression artefacts
- (1) a, b, d
 - (2) a, d
 - (3) a, b, c, d
 - (4) a, c, d
 - (5) Question not attempted

141. How much density of sunscreen is to be applied on skin by exposing it with well defined SSR for calculation of SPF ?

- (1) 2 gm/cm²
- (2) 2 mg/cm²
- (3) 1 mg/cm²
- (4) 4 gm/cm²
- (5) Question not attempted

142. Which special stain is used to stain reticulin tissue ?

- (1) Gomori
- (2) Von Geison
- (3) Alcian blue
- (4) Von Kossa
- (5) Question not attempted

143. Reflectance confocal microscopy allows for non invasive imaging of the epidermis and superficial dermis to a depth of approximately :

- (1) 300 μ m
- (2) 250 μ m
- (3) 200 μ m
- (4) 180 μ m
- (5) Question not attempted

144. Which of the following correctly defines 'Epigenomics' ?

- (1) Two or more cell lines of different genotypes derived from the same zygote in an individual.
- (2) One of the two X chromosomes in the cells of normal females undergoes inactivation at an early stage of embryonic development.
- (3) Analysis of any changes in the process of DNA methylation machinery.
- (4) An infective agent may have a similar configuration to the HLA, so the agent is then not attacked by the baby's defence system.
- (5) Question not attempted

145. According to Herschenfeld and Gilchrest (1999) which of the following is not a histological feature of photoageing in the dermis layer ?

- (1) Loss of vascularity
- (2) Elastin and collagen degeneration
- (3) Increased proteoglycans
- (4) Low grade perivascular inflammation
- (5) Question not attempted

146. Which of the following cytokines/growth factors is involved in wound remodelling in acute wounds ?

- (1) TNF- α
- (2) TGF- β
- (3) IL-1 β
- (4) IL-8
- (5) Question not attempted

147. What is the HLA association with severe cutaneous adverse reactions caused by carbamazepine ?

- (1) B*5801
- (2) A*3201
- (3) Both A*3101 and B*1502
- (4) Both B*5701 and B*1301
- (5) Question not attempted

148. Which of the following is incorrect about p values in statistical tests ?

- (1) p values can indicate how incompatible the data are with a specified statistical model.
- (2) p values do not measure the probability that the studied hypothesis is true or the probability that the data were produced by random chance alone.
- (3) p value does not measure the size of an effect or the importance of a result.
- (4) By itself, a p value provides a very good measure of evidence regarding a model or hypothesis.
- (5) Question not attempted

149. Which fruit/vegetable is/are known to cause phototoxic dermatitis ?

- (1) Celery
- (2) Fig
- (3) Lime
- (4) All of these
- (5) Question not attempted

150. A biologic agent approved for chronic spontaneous urticaric refractory to antihistamines is

- (1) Adalimumab
- (2) Omalizumab
- (3) Dupilumab
- (4) Secukinumab
- (5) Question not attempted

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145. According to Gilchrist (1999), which of the following is not a histological feature of pharyngitis in the detrusor layer?
- (1) Loss of vascularity
 - (2) Plasma and collagen degeneration
 - (3) Increased progesterone
 - (4) Low grade diverticulitis
 - (5) Inflammation
146. Which of the following cytokines/growth factors is involved in wound remodeling in acute wounds?
- (1) TGF- β
 - (2) IGF-1
 - (3) HIF-1
 - (4) IL-6
 - (5) Question not attempted
147. What is the IL-6 association with severe cutaneous adverse reactions caused by abacavir?
- (1) B*5801
 - (2) A*6801
 - (3) Both A*3101 and B*1502
 - (4) Both B*5701 and H*1301
 - (5) Question not attempted
148. Which microorganism is known to cause phototoxic dermatitis?
- (1) Clostridium
 - (2) Pseudomonas
 - (3) Listeria
 - (4) All of these
 - (5) Question not attempted
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 - (3) Question not attempted
157. p values can indicate how incompatible the data are with a specified statistical model.
- (1) p values do not measure the probability that the studied hypothesis is true or the probability that the data were produced by random chance alone.
 - (2) p value does not measure the size of an effect or the importance of a result.
 - (3) By itself, a p value provides a very good measure of evidence regarding a model or hypothesis.
 - (4) Question not attempted
158. About p values in statistical tests?
- (1) p values do not measure the probability that the studied hypothesis is true or the probability that the data were produced by random chance alone.
 - (2) p value does not measure the size of an effect or the importance of a result.
 - (3) By itself, a p value provides a very good measure of evidence regarding a model or hypothesis.
 - (4) Question not attempted

