INICET

Question Paper



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INI CET 2022 (Nov)

Question Paper

Dermatology

(Based on Memory Recall)

Q1. Match the following therapeutics used in the management of psoriasis with their possible side effects

Column A	Column B
1. Methotrexate	A. Long term use increases the risk of skin cancer
2. Cyclosporine	B. Hepatotoxic
3. PUVA	C. Mucositis, teratogenic
4. Acitretin	D. Nephrotoxic

A) 1-A, 2-D, 3-A, 4-C
B) 1-B, 2-C, 3-D, 4-A
C) 1-C, 2-A, 3-D, 4-C
D) 1-D, 2-C, 3-B, 4-A

Correct Answer : A

Q2. Consider the causes of alopecia.

1. **Alopecia areata**
2. **Telogen effluvium**
3. **Androgenic alopecia**
4. **Frontal fibrosing alopecia**

Which among the following causes non scarring alopecia?

A) 3 and 4
B) 1,2,3
C) 2,3,4
D) 4 only

Correct Answer : B

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Q3. A diabetic patient presents with the following lesions in the armpit. Which type of Fluorescence will be seen on a wood's lamp examination?



A) Yellow
B) Blue
C) Green
D) Coral Red

Correct Answer : D

Q4. A lesion on the back is shown in the image. Which type of the following disease is depicted by the image?



A) Scrub typhus
B) Rocky mountain spotted disease
C) Malaria

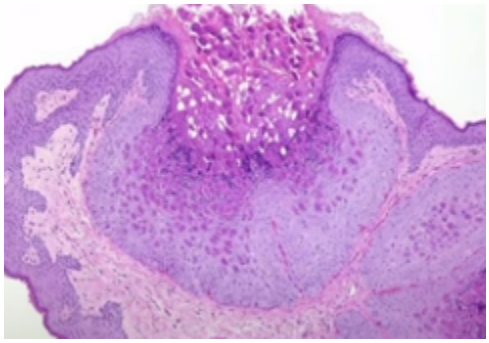
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D) Covid 19

Correct Answer : A

Q5. A child presents with multiple skin lesions over the inner thigh and genital areas. Some noodles have gentle umbilication. The representative of the Histology of the Lesion is shown below. What would be found on biopsy?



A) Donovan bodies
B) Multinucleated giant cells
C) Koilocytes
D) Henderson Paterson bodies

Correct Answer : D

Q6. A young man presents with the following skin lesions as shown in the image below . All of the following organisms can spread through dermal and subcutaneous lymphatics except



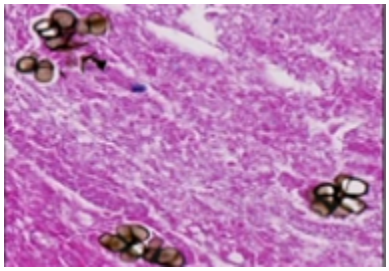
A) Sporothrix schenckii
B) Nocardia
C) Staphylococcus aureus
D) Mycobacterium marinum

Correct Answer : C

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Q7. A forest worker developed skin lesions over the forearm. Histology of the noodles show the following findings. Which of the following is true regarding this condition?



A) This bodies are formed by engulfment of the Dead fungi by the macrophages
B) Organism does not invade underlying fascia, tendons and muscles
C) It is a dimorphic organism and yeast form are seen in clinical sample
D) Angioinvasion is common especially in people with Hematological malignancies

Correct Answer : B

Q8. Vesicular rash is seen in which of the following?

A) Hand foot and mouth diseases
B) Dengue virus
C) Zika fever
D) Roseola infantum

Correct Answer : A

Q9.A 10 year old boy is brought with weakness in lower Limbs and rash over the eyelids. The biopsy shows inflammation of the muscles. What is the finding shown in the image below?



A) Gottron's papules
B) Shawl sign
C) Heliotrope rash
D) Mechanics hand

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Correct Answer : A

Q10. A 60 years old female patient presents with progressing skin lesions as shown in the image. What is the diagnosis?



A) Squamous cell carcinoma
B) Basal cell carcinoma
C) Melasma
D) Discoid lupus erythematosus

Correct Answer : B

Q11. A Middle aged female presented with chronic history of relapsing remitting, Mildly itchy, erythematous plateau over scalp, sacral area, Knees with history of joint pain and nails as shown in the image.What is your most likely diagnosis?



A) Psoriasis
B) Adult onset still's disease
C) Lichen planus
D) Pachyonychia congenita

Correct Answer : A

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Q12. A female with a history of Raynaud's phenomenon, skin thickening and breathlessness presents with skin lesions as shown in the image, which of the following best represents it?



A) Leucotrichia
B) Vitiligo
C) Poikiloderma
D) Salt and Pepper pigmentation

Correct Answer : D

Q13. Identify the disease depicted in the image?



A) Paget's disease

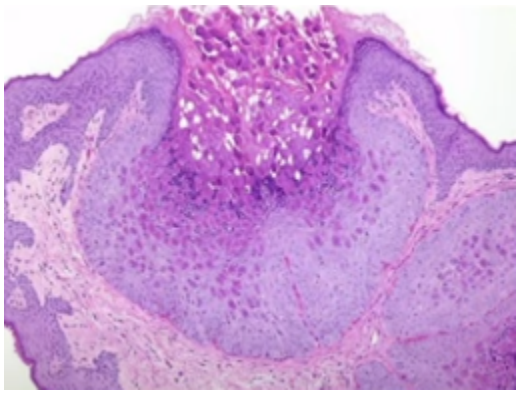
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B) Lichen sclerosis
C) Lichen Planus
D) Angioma of Vulva

Correct Answer : B

Q14. A patient presents with lesions or in the thighs and peri- anal region. They are nodular, size 4-6 mm. The histopathology appearance is shown in the image below. The diagnosis is



A) Trichostasis Spinulosa
B) Condyloma acuminata
C) Donovanosis
D) Molluscum contagiosum

Correct Answer : D

Q15. Jarisch Herxheimer reaction is due to

1. **IFN-Alpha**
2. **IL-6**
3. **TNF-Alpha**
4. **IL-8**

A) 1,2
B) 1
C) 2
D) 2,3,4

Correct Answer : D

Q16. All of the following on inoculation in the skin care lead to skin manifestation as shown in the image except

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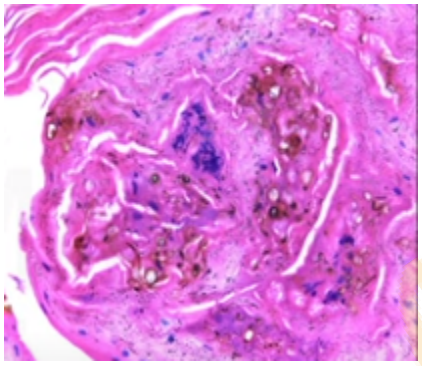
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A) Corynebacterium minutissimum
B) Sporothrix schenckii
C) Nocardia brasiliensis
D) Mycobacterium marinum

Correct Answer : A

Q17. Biopsy Examination of lesions on the lower limb of the patient is shown in the figure. True about the likely organism/diagnosis -



A) Sclerotic Bodies are the fungi engulfed by the macrophage
B) Angioinvasion can occur in patients of Hematological malignancies like leukemia
C) Infection spreads deep and the underlying fascia and muscles tissues are often involved
D) They are dematiaceous fungi

Correct Answer : D

Q18. Finasteride used to treat male pattern baldness acts by inhibiting which of the following enzymes?

A) Aromatase
B) 5-alpha reductase
C) 17-hydrolase
D) Phosphodiesterase

Correct Answer : B

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Q19. Gottron's papules are seen in which of the following?



A) Dermatomyositis
B) Dermatitis herpetiformis
C) Psoriasis
D) Atopic dermatitis

Correct Answer : A

Q20. Additional points (Overlap from other subjects)

1. Staining technique to demonstrate M.leprae (Tissue)

Answer : Fito-Faraco Stain

2. Characteristic feature of Sezary Cell

Answer : Cerebriform, Nucleus

3. Defect in hereditary anngioneurotic Edema

Answer : C1 Esterase inhibitor

4. Child Osteolytic lesions S100, CD 1a (+)

Answer : Langerhans cell Histiocytosis

5. Papular Purpuric Glove and socks Syndrome

Answer : Parvovirus B19

6. Monoclonal Antibody against CD20

Answer : Rituximab

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7. Antiretroviral of Palms and soles (Hyperpigmentation)

Answer : Emtricitabine

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