

GENESIS

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FCPS PART-I MOCK TEST-I

SUBJECT : Dermatology
PAPER : I

Exam Date	:	Mock-I	:	13-12-20/17-12-20/20-12-20
		Mock-II	:	25-12-20/26-12-20/27-12-20
Exam Time	:	2.30.pm-4.00pm		
Total Number	:	100		

Question 26-50 based on single answer

1. Cells are united by

- a) Desmosomes
- b) Intermediate Junction
- c) Tight junction
- d) Gated junction
- e) Terminal

2. Elastic fibres are

- a) Prominent in hyaline cartilage
- b) Formed from fibroblasts
- c) Prominent in superficial fascia
- d) Prominent in aponurose
- e) Prominent in fetal skin

3. Epithelial tissue

- a) Gives rise to sebaceous gland, of scalp
- b) Undergoes constant renewal in mucous regions
- c) Lining of urinary tract contains goblet cells
- d) Lining of respiratory tract is keratinised
- e) Resistant to harmful metabolites

4. The cell membrane

- a) Approximately 7 nm in thickness
- b) Capable of selective permeability
- c) Allows passage of specific ions through carbohydrate gated channels
- d) Is activated by a second messenger system
- e) May discharge particles by a process of vacuolation

5. What are the fixed structures in hair

- a) Isthmus
- b) Infundibulum
- c) Stem
- d) Bulb
- e) Outer sheath

6. Which statement is correct

- a) Outer sheath is filled with lipids during anagen
- b) Henle's layer is one cell thick
- c) Huxley's layer is two cell thick
- d) Cortex of hair constitutes bulk of hair
- e) Medulla present only in terminal hair

7. Which are the principle subdivisions of a hair follicle

- a) Infundibulum
- b) Isthmus
- c) Stem
- d) Bulb
- e) Adamson's fringe

8. What are the major components of sebum

- a) Triglycerides
- b) Amino acids
- c) Cholesterol sulfate
- d) Cholesterol Ester
- e) Free fatty acids

9. What are the drugs excreted in sweat

- a) Ethanol
- b) Paracetamol
- c) Favipiravir
- d) Ketoconazole
- e) Griseofulvin

10. In which areas permeability of the skin is greatest

- a) Palm
- b) Sole
- c) Genitalia
- d) Face
- e) Denuded epidermis

11. Which substance cause decrease in androgen production

- a) Glucocorticoid
- b) Ketoconazole
- c) Spironolactone
- d) Isotretinoin
- e) Cimetidine

12. Which statement is correct

- a) Beta – A fibers are myelinated
- b) Beta A fibres carry sensations of touch, vibration, Proprioception
- c) Gamma A fibres are non – myelinated
- d) Delta A fibres convey sensations of physiologic itch
- e) C fibres are myelinated

13. Regarding glomus bodies, Which are correct

- a) Glomus cells are modified smooth muscle cells
- b) Most abundant on nail beds, finger, toes
- c) No known function
- d) Innervated by cholinergic nerves
- e) Contain specialized arterial segment

14. Which are fibrillar collagen

- a) Collagen I
- b) Collagen IV
- c) Collagen XI
- d) Collagen XII
- e) Collagen VII

15. Regarding composition of sweat, Which is correct

- a) pH of sweat is 4.5
- b) Urea in sweat causes desquamation
- c) Lactate acts as moisturizer
- d) Sweat is odorless
- e) Sweat is hypertonic

16. The autonomic nervous system

- a) Supplies the glands, Smooth muscle, Cardiac muscle
- b) Rises from special visceral column of the spinal cord
- c) Has peripheral ganglia near the walls of the organ it supplies
- d) Prepares body for fight and flight
- e) Has no distribution in lower limbs

17. The penis

- a) Comprises two cylinders of erectile tissue
- b) Contains ventral corpus spongiosum which expands anteriorly to form glans penis
- c) Contains corpora cavernosa which expand posteriorly to form bulb of penis
- d) Lymph drainage to iliofemoral lymph nodes
- e) Veins drain to prostatic plexus

18. Posterior column damage in spinal cord may impair

- a) Vibration
- b) Pain
- c) Flexor response to stimulation of sole
- d) Touch
- e) Ability to stand steadily with eyes closed

19. Which one is connect

- a) Syphilis-Treponema pallidum
- b) Cancroid – Haemophilus Decry
- c) Granuloma Inguinale – Chlamydia trachomatis
- d) Lymphogranuloma Venereum – Klebsiella granulomatis
- e) Herpes Proctitis -HSV-1

20. Raynaud's phenomenon may be relieved by

- a) Cutting sympathetic nerves to the hand
- b) Stimulating parasympathetic nerves
- c) α -adrenoceptor blockade
- d) β -adrenoceptor agonists
- e) wearing gloves

21. The male urethra

- a) Receives midline ejaculatory duct
- b) Receives two prostatic ducts
- c) Traverse the whole length of corpus spongiosum
- d) Has the sphincters urethra muscle surrounding its prostatic part
- e) Narrows in membranous part

22. Which is a primary skin lesion

- a) Plaques
- b) Nodules
- c) Wheals
- d) Scales
- e) Erosions

23. Manifestations of abnormal keratinization

- a) Parakeratosis
- b) Orthokeratosis
- c) Corns
- d) Cracks
- e) Hyperkeratosis

24. Smooth muscles of skin

- a) Arrector pili
- b) Dartos
- c) Platysma
- d) Muscles of facial expression
- e) Superficial muscular aponeurotic system

25. Growth of fingernail

- a) 0.1mm/day
- b) 0.2mm/day
- c) 0.3mm/day
- d) 0.4mm/day
- e) None

Each question below contains five suggested answers- choose the one best response to each question (26-50)

26. Which one the shortest phase in cell cycle

- a) G₁
- b) S
- c) G₂
- d) Mitosis
- e) G₀

27. Keratohyaline Granules first appear in

- a) Str. Basale
- b) Str. Spinosum
- c) Str. Granulosum
- d) Str. Lucidum
- e) Str. Corneum

28. Marginal band or cornified cellular envelope is found in

- a) Str. Basale
- b) Str. Spinosum
- c) Str. Granulosum
- d) Str. Lucidum
- e) Str. Corneum

29. Most critical factor governing permeability of skin

- a) Thickness of stratum corneum
- b) Interconnections between keratinocytes
- c) Water content of the skin
- d) Total concentration of lipids
- e) Presence of enzyme steroid sulfatase

30. The mean turnover of renewal time of epidermis has been estimated to be

- a) 37 days
- b) 38 days
- c) 39 days
- d) 40 days
- e) 49 days

31. Anchoring fibrils are composed of

- a) Type I collagen
- b) Type VII collagen
- c) Type III collagen
- d) Type II collagen
- e) None of the above

32. Melanocytes are absent in

- a) Hair follicle
- b) Retina
- c) Choroid
- d) Lung
- e) All of the above

33. Which one is unmyelinated

- a) Meissner corpuscles
- b) Pacinian corpuscles
- c) Merkel cells
- d) Free dermal nerve endings
- e) Efferent sympathetic nerves

34. Capillaries in the skin are mostly of which type

- a) Continuous
- b) Fenestrated
- c) Sinusoidal
- d) Post – Capillary venules
- e) Arterioles

35. Which substance (s) do not act as cofactor in collagen

- a) Ascorbic acid
- b) Oxygen
- c) Ferric Iron
- d) Ferrous Iron
- e) α -ketoglutarate

36. Which layer of skin exerts most impermeability

- a) Str. Corneum
- b) Str. Granulosum
- c) Str. Lucidum
- d) Str. Basale
- e) Str. Spinosum

37. Which one has no effect in sebum secretion

- a) TSH
- b) Estrogen
- c) Adrenal androgen
- d) Progesterone
- e) Prolactin

38. Eccrine glands are absent in

- a) Palm
- b) Sole
- c) Axilla
- d) Forehead
- e) Nipple

39. Growth rate of scalp hair

- a) 0.36mm/day
- b) 0.37mm/day
- c) 0.38mm/day
- d) 0.39mm/day
- e) 0.40mm/day

40. Which one is not a normal inhabitant of follicular infundibulum

- a) Staphylococcus Epidermidis
- b) Propionibacterium Acnes
- c) Pityrosporum Ovale
- d) Demodex Folliculorum
- e) Staphylococcus Aureus

41. Which collagen contains target antigens for epidermolysis bullosa acquisita

- a) Type I
- b) Type II
- c) Type VI
- d) Type VII
- e) Type XI

42. Epidermolysis bullosa simplex is associated with mutation of keratin

- a) Keratin - 1, 7
- b) Keratin - 5, 14
- c) Keratin - 1, 10
- d) Keratin - 2, 6
- e) Keratin - 2, 8

43. Abnormal Orkoid bodies are seen in

- a) Psoriasis
- b) Lichen planus
- c) Ichthyosis
- d) Epidermolysis bullosa
- e) Eczema

44. What is the major component of basal lamina

- a) Type I collagen
- b) Type II collagen
- c) Type III collagen
- d) Type IV collagen
- e) None

45. Time required to replace toenail

- a) 10 – 11 months
- b) 12 – 15 months
- c) 4 – 6 months
- d) 6 – 8 months
- e) None

46. Collagen represents to the dry weight of skin

- a) 60%
- b) 70%
- c) 80%
- d) 90%
- e) 95%

47. Collagen is synthesized by

- a) Keratinocytes
- b) Fibroblasts
- c) Dendritic cell
- d) Melanocyte
- e) All of the above

48. Pitting in nails occur due to

- a) Parakeratosis
- b) Orthokeratosis
- c) Hyperkeratosis
- d) Reduplication of basement membrane
- e) None

49. Duplication of basal lamina is most dramatic in

- a) Psoriasis
- b) Eczema
- c) Neurofibromatosis
- d) SLE
- e) Impetigo

50. Which test is specific for syphilis

- a) VDRL
- b) RPR
- c) Automated reagin screen test
- d) TPHA
- e) None

Dermatology Mock-I, Paper-I

1. TTFFF(Ref: Lumley - Q .4/ P- 2)
2. FTFFF(Ref: Lumley - Q .7/ P- 4)
3. TTFFT(Ref: Lumley - Q .5/ P- 4)
4. TTFFT (Ref: Lumley - Q .1/ P- 2)
5. TTFFF (Ref: Moschella/P-66)
6. FTTTT (Ref: Moschella/P-39)
7. TTTTF (Ref: Moschella/P-57)
8. TFFTT (Ref: Moschella/P-73)
9. TFFTT (Ref: Moschella/P-82)
10. FFTTT (Ref: Moschella/P-110)
11. TTTTT (Ref: Moschella/P-97)
12. TTFTF (Ref: Moschella/P-41)
13. TTFFT (Ref: Moschella/P-47)
14. TFTFF (Ref: Moschella/P-48)
15. TFTTF(Ref: Moschella/P-41)
16. TFTTF (Ref: Lumley - Q .20/ P- 12)
17. FTFFT (Ref: Lumley - Q 129/ P- 48)
18. TFFTT (Ref:Roddy - Q 326/ P- 138)
19. TTFFF (Ref: Moschella/P-266)
20. TFTFF (Ref:Roddy - Q 307/ P- 129)
21. FFTFT (Ref: Lumley - Q .187/ P- 30)
22. TTTFF (Ref: Andrew)
23. TFTTF (Ref: Andrew/P-1)
24. TTTTT (Ref: Andrew)
25. TFFFF (Ref: Andrew)
26. D (Ref: Biology of skin /P-203)
27. B(Ref: Mackellar/P-266)
28. C(Ref: Mackellar/P-22)
29. D(Ref: Mackellar/P-23)
30. C (Ref: Mackellar/P-24)
31. B (Ref: Mackellar/P-26)
32. D (Ref: Mackellar/P-27)
33. E(Ref: Mackellar/P-37)
34. A (Ref: Mackellar/P-45)
35. D (Ref: Mackellar/P-54)
36. A (Ref: Mackellar/P-107)
37. D (Ref: Mackellar/P-95)
38. E(Ref: Mackellar/P-84)
39. B(Ref: Mackellar/P-21)
40. E (Ref: Mackellar/P-64)
41. D (Ref: Andrew 12th /P-500)
42. B(Ref: Andrew 12th /P-1)
43. D(Ref: Andrew 12th /P-2)
44. D (Ref: Andrew 12th /P-4)
45. B(Ref: Andrew 12th /P-8)
46. B(Ref: Andrew 12th /P-9)
47. B (Ref: Andrew 12th /P-9)
48. A
49. D (Ref: Andrew 12th /P-37)
50. D (Ref: Andrew 12th /P-344)