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KATHMANDU UNIVERSITY  
End Semester Examination  
July/August, 2018

Level : B. Pharm.  
Year : IV

Course : PHAR 419  
Semester: II

Exam Roll No. : Time: 30 mins.

F. M. : 20

Registration No.:

Date JUL 29 2018

SECTION "A"  
[20 Q × 1 = 20 marks]

1. Nail contains ..... % of water.  
[a] 10-15 [b] 15-20 [c] 15-25 [d] 20-25
2. Temporary teeth are ..... in number.  
[a] 10 [b] 15 [c] 20 [d] 30
3. Inner portions of lips contains .....
- [a] saliva [b] sweat gland [c] fat [d] sebaceous gland
4. The effect of the skin aging process can be seen in the .....
- [a] dermis [b] cuticle [c] epidermis [d] scarf skin
5. The round patches of total hair loss usually from the scalp is called  
[a] Tinea Capitis [b] Folliculitis [c] Dandruff [d] Alopecia
6. Lubricating action of saliva is due to the presence of glycoprotein called  
[a] Melanin [b] Mucin [c] Keratin [d] Mucous
7. The dermal papillae contains nerves and blood vessels that supply  
[a] Pheonmelanin [b] Sebum [c] Eumelanin [d] Nutrients
8. Telogen is the ..... Phase.  
[a] Growth [b] End of the growth  
[c] Resting [d] Transition
9. A finger nails takes .....months to reach its full length.  
[a] 2-4 [b] 4-6 [c] 6-8 [d] 8-10
10. Radiation therapy in treatment of acne uses  
[a] X- ray [b] UV ray [c] Violet ray [d] all of above
11. Brittle nail is due to  
[a] Dehydration of nail plate [b] Injuries  
[c] Discolored nail [d] Bacteria
12. Cuticle remover contains ..... % of sodium hydroxide or potassium hydroxide  
[a] 2.5 [b] 3 [c] 3.5 [d] 4.5

13. In the stratum ..... layer of epidermis mitosis or replacement of the skin takes place  
[a] germinativum [b] granulosum [c] corneum [d] lucidium
14. Hair has pH range of  
[a] 3.5-4.5 [b] 4.5-5.5 [c] 5.0-5.5 [d] 5.5-6.0
15. Stratum lucidium lies between .....  
[a] Stratum corneum and stratum granulosum  
[b] Stratum granulosum and stratum basale  
[c] Stratum corneum and stratum germinativum  
[d] Stratum corneum and stratum spinosum
16. Alkyl sulphate is an example of ..... surfactant  
[a] Cationic [b] Anionic [c] Non-ionic [d] Amphoteric
17. Titanium dioxide works as UV filter by  
[a] Reflecting UV light [b] Absorbing UV light  
[c] Transmitting UV light [d] All of above
18. Humectant is added in cosmetic preparation for following reasons  
[a] To prevent evaporative water loss from skin  
[b] To form occlusive layer on skin  
[c] To increase water content of skin by water absorption  
[d] To protect from oxidation
19. Which of the following statement about eccrine gland is *not true*?  
[a] Eccrine gland is responsible for lowering body temperature  
[b] Secretion of eccrine gland is slightly acidic  
[c] Secretion mainly consists of salt and water  
[d] Eccrine gland opens into upper part of hair follicle
20. Acceptable ratio of sodium hydroxide to potassium hydroxide in lather shaving cream is  
[a] 1:5 [b] 2:5 [c] 2:3 [d] 5:1

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Semester: II  
F. M. : 55

SECTION "B"

[5Q. × 3 = 15 marks]

Attempt *ANY FIVE* questions.

1. Differentiate between night cream and day cream.
2. What is nail moisturizer? Give its composition.
3. What are lip gloss and lip jelly? Give examples.
4. What is barrier cream? How does it work and how is it applied?
5. What are the types of mouth washes? Give ideal properties of mouth wash.
6. Define cosmetic. How can you classify cosmetic preparations?
7. Write shortly on natural perfume of plant and animal source.

SECTION "C"

[5Q. × 5 = 25 marks]

Attempt *ANY FIVE* questions.

8. Write down the differences between soap and detergent.
9. Describe with diagram different layer of epidermis and their functions.
10. Describe in brief about different types of hair colorings.
11. Why shaving cream is used for effective shaving? Explain with examples.
12. Describe suntan, sunburn and sunscreen.
13. Describe pedicure and manicure with procedures.
14. Write short notes on:
  - a. Deodorant
  - b. Antiperspirant

SECTION "D"  
[2Q × 7.5 = 15 marks]

Answer *ANY TWO* questions.

15. Give structure and anatomy of hair. Describe different types of preparation of hair care product.
16. Give structure and types of teeth with well labeled diagram.
17. Why preservatives are added in cosmetic preparations. Discuss on commonly used preservatives in cosmetic preparations.