

KATHMANDU UNIVERSITY
End Semester Examination
May/June, 2023

Marks Scored:

Level : B.Pharm.

Year : IV

Exam Roll No. :

Time: 30 mins.

Course : PHAR 417

Semester : II

F. M. : 20

Registration No.:

Date : June-06, 2023

SECTION "A"
[20Q. × 1 = 20 marks]

Encircle the most appropriate alternative from each set of choices.

- Which of the following is treatment option for dandruff?
 - Nystatin
 - Hydrocortisone 1%
 - Ketoconazole
 - Zinc oxide
- The most common cause for bacterial conjunctivitis is
 - Staphylococcus spp
 - Moraxella sps
 - Hemophilus influenzae
 - Neisseria gonorrhoeae
- Which of the following antihistaminic is less sedative?
 - Promethazine
 - Cetirizine
 - Diphenhydramine
 - Loratadine
- Which of the following is technical name for glue ear?
 - Otitis externa
 - Cebum impaction
 - Otitis media with effusion
 - Swimmers' ear
- Which of the following statement regarding steroid nasal spray is true?
 - Steroid nasal spray should be preferred for mild nasal symptoms.
 - It can be freely dispensed to any age group.
 - Steroid nasal spray can be used as long as you want to continue it.
 - Steroid nasal spray can cause dryness and irritation of throat and nose.
- Which of the following statement regarding irritable bowel syndrome (IBS) is false?
 - Patient with IBS should eat low fat, high fiber diet.
 - Antispasmodics are the mainstay of OTC treatment of IBS.
 - Cutting out caffeine, milk and dairy products, and chocolate will help to manage IBS.
 - IBS usually develops after 45 years age.
- Which one of the following conditions in sore throat can be managed by pharmacist?
 - Recurrent bouts of infection
 - Difficulty in swallowing (dysphagia)
 - Failed medication
 - Sore throat lasting less than 1 week
- Which of the following medications doesn't cause diarrhea?
 - Amoxicillin
 - Furosemide
 - Aluminum containing antacid
 - Digoxin
- Which of the following statement regarding topical corticosteroids is true?
 - The cutaneous side effects of topical steroids depend on potency of steroids.
 - Hydrocortisone 1% is high potent topical steroids.
 - The combination preparation of anti-fungal and topical steroid is safe enough to use for longer duration.
 - Children under age 12 years can use potent or super potent topical steroids for longer duration.

10. Which of the following is major factor involved in acne formation?
 - a. Production of androgen during puberty.
 - b. Hormonal changes during pregnancy.
 - c. Use of heavy cosmetics.
 - d. High humid climate.

11. Which of the following statement regarding Minoxidil is true?
 - a. It is available in the strength of 10% and 1%.
 - b. Treatment with minoxidil is most likely to work where the bald area is less than 10 cm in diameter.
 - c. Minoxidil should be used in alopecia areata or in hair loss related to pregnancy.
 - d. Reduction in hair loss by using minoxidil is expected to be observed in less than 4 weeks.

12. Which of the following is not the causes for secondary dysmenorrhea?
 - a. Endometriosis
 - b. Fibroids
 - c. Adenomyosis
 - d. Period cramps in women less than 25 yrs.

13. Which of the following is the first line treatment option for allergic conjunctivitis?

a. Levocabastine 0.05% eye drops	c. fluorometholone 0.1%
b. Norfloxacin 0.3% eye drops	d. Timolol 0.5%

14. Which of the following causes oral thrush?

a. Candida albicans	c. Candida glabrata
b. Aspergillus spp.	d. Staphylococcus spp.

15. Which of the following statement regarding otitis externa(OE) is false?
 - a. OE can be precipitated by ear trauma.
 - b. OE is five times more common in swimmers than in non-swimmers.
 - c. It is more frequent in hot and humid environments.
 - d. Most of the cases of diffuse OE are caused by viruses.

16. Which of the following medicines do not cause insomnia?

a. Corticosteroids	c. Phenytoin
b. Theophylline	d. Zolpidem

17. How many types of canker sores are there?

a. 4	b. 3	c. 5	d. 6
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18. Antacids are best taken.....

a. Half an hour before food	c. Early in the morning
b. At bed time	d. One hour after food

19. Referral conditions of diarrhea is except.....

a. Recent travel history	c. abdominal pain
b. Presence of fever	d. presence of blood in stool

20. A medicine named **ipill** contains.....

a. Mifepristone	c. Levonorgestrel
b. Estradiol	d. Estropipate

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May/June, 2023

June 06, 2023

Level : B.Pharm.
Year : IV
Time : 2 hrs. 30 mins.

Course : PHAR 417
Semester: II
F.M. : 55

SECTION "B"

[5Q. × 3 = 15 marks]

Attempt *ANY FIVE* questions.

1. What are the steps to be followed while responding to a request for help with symptoms?
2. What are the conditions for referral to someone with symptoms of cold?
3. What are the practical points to prevent otitis externa?
4. What information do you need to know from a person complaining of constipation?
5. How do you manage scabies and prevent treatment failure?
6. Write the management of dandruff with advice on correct application method.
7. Define the role of urine alkalizer in cystitis with precautions to be taken.

SECTION "C"

[5Q. × 5 = 25 marks]

Attempt *ANY FIVE* questions.

8. A lady with ten-days old male patient visited your pharmacy with a chief complain of white deposits in the whole oral cavity, as reported by mother. On history, whitish deposits were present since birth without any other problem. Past medical, dental and family history was noncontributory and patient was not on mother's milk. On general examination, patient was moderately built, conscious and slightly uncooperative. On local examination of the oral cavity diffuse, white curd-like plaques were observed over right and left buccal mucosa, palate and tongue. These plaques were scrapable and showed erythematous mucosa on scraping. This finding suggests of oral candidiasis. Prepare the pharmaceutical plan to address his problem and provide practical points to prevent its reoccurrence in future
9. How would you differentiate different types of conjunctivitis on the basis of symptoms? Mention the treatment options for bacterial conjunctivitis.
10. What information do you need to know from the patient with the complain of nausea and vomiting and what is the significance of information?
11. Give the first aid treatment for sprains and strains and elaborate the role of counter irritants and rubefacients in managing musculoskeletal pain.
12. What is emergency hormonal contraception (EHC)? What information do you need to know before offering EHC and what options are available in our setting?

13. Mr. ABC, the local plumber, is in his early twenties wants to buy something for his athlete's foot, which he just can't get rid of. His neighbor bought him some cream a few days ago but it doesn't seem to be having any effect. The skin between the third and fourth toes and between the second and third toes is affected. John tells you the skin is itchy and that it looks flaky. He tells you that he has had athlete's foot before and that it keeps coming back again. He wears trainers' shoes most of the time (he has them on now) and has used the cream his neighbor bought on most days. As a pharmacist how would you manage his condition? Also, provide practical points to him to prevent reoccurrence.
14. What are the stages of hemorrhoids? What are the conditions for referral and how can it be prevented?

SECTION "D"

[2Q. × 7.5 = 15 marks]

Attempt *ANY TWO* questions.

15. Write about five different infectious conditions that can causes rashes in children? How to differentiate them and manage them?
16. Why do we need to sleep? How could you help someone with insomnia? Describe both pharmacological and non-pharmacological approach to insomnia.
17. What information do you need to obtain from the patient present with cough? What are the significances of those information? Explain the management for cough.