

Exam Date & Time: 13-Jun-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Pharmacology III [PHA-BP602T]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) Which one of the followings is the drug of choice for peptic ulcer in first-trimester of pregnancy? (1)
- | | | | |
|---------------|---------------|----------------|---------------|
| 1) Ranitidine | 2) Sucralfate | 3) Misoprostol | 4) Omeprazole |
|---------------|---------------|----------------|---------------|
- 2) Select a true statement among the followings. (1)
- | | | | |
|--|--|--|--|
| 1) Doxycycline exerts antiviral effects. | 2) Paromomycin is a tissue amoebicide. | 3) Satranidazole does not cause disulfiram reaction. | 4) Metronidazole is not effective against anaerobic organisms. |
|--|--|--|--|
- 3) If the dose for a normal patient (70kg body weight and serum creatinine = 1 mg/dL) is 350 mg/day, then calculate the dose (mg/day) of gentamicin for the same person with renal insufficiency if his serum creatinine = 4mg/dL. (1)
- | | | | |
|----------------|----------------|----------------|---------------|
| 1) 87.5 mg/day | 2) 1400 mg/day | 3) 1120 mg/day | 4) 450 mg/day |
|----------------|----------------|----------------|---------------|
- 4) Sucralfate is a/an (1)
- | | | | |
|------------------------------------|---|---------------------------------------|---------------------|
| 1) H ₂ receptor blocker | 2) H ⁺ K ⁺ ATPase inhibitor | 3) M ₃ receptor antagonist | 4) Ulcer protective |
|------------------------------------|---|---------------------------------------|---------------------|
- 5) Which of the following chelating agents is the degradation product of Penicillin? (1)
- | | | | |
|---------|----------------|------------------|-------------------|
| 1) EDTA | 2) Dimercaprol | 3) Penicillamine | 4) Desferioxamine |
|---------|----------------|------------------|-------------------|
- 6) Select a drug used to promote evacuation of bowels. (1)
- | | | | |
|---------------|----------------|----------------|--------------|
| 1) Ranitidine | 2) Pirenzepine | 3) Misoprostol | 4) Docusates |
|---------------|----------------|----------------|--------------|
- 7) Select a TRUE property / statement for Netilmicin. (1)
- | | | | |
|------------------------------|---------------------------|----------------------|----------------|
| 1) 100% oral bioavailability | 2) Time-dependent killing | 3) least ototoxicity | 4) Acid labile |
|------------------------------|---------------------------|----------------------|----------------|
- 8) Select a neuroleptic antiemetic drug (1)
- | | | | |
|--------------|----------------|----------------|----------------|
| 1) Meclizine | 2) Haloperidol | 3) Cinnarizine | 4) Dicyclomine |
|--------------|----------------|----------------|----------------|
- 9) Which one among the following is **NOT** recommended for asthma therapy? (1)
- | | | | |
|---------------|------------------|----------------|-------------|
| 1) Budesonide | 2) Aminophylline | 3) Zafirlukast | 4) Doxapram |
|---------------|------------------|----------------|-------------|

10) Select among the following drugs, which is **NOT** an acid labile drug.

1) Penicillin G	2) Methicillin	3) Cloxacillin	4) Carbenicillin
-----------------	----------------	----------------	------------------

(1)

11) Diabetes insipidus is caused by:

1) Doxycycline	2) Demeclocycline	3) Chloramphenicol	4) Glycylcycline
----------------	-------------------	--------------------	------------------

(1)

12) Select a fourth-generation quinolones:

1) Ofloxacin	2) Levofloxacin	3) Gatifloxacin	4) Moxifloxacin
--------------	-----------------	-----------------	-----------------

(1)

13) Brolizumab inhibits the tumor development by

1) Preventing apoptosis of T cells	2) Promoting apoptosis of T cells	3) Preventing apoptosis of tumor cells	4) Promoting apoptosis of tumor cells
------------------------------------	-----------------------------------	--	---------------------------------------

(1)

14) Which one among the followings is a property of cephalosporins?

1) High incidence of resistance development by bacteria	2) Narrow spectrum of activity	3) Ineffective against <i>Streptococcus faecalis</i>	4) They are bacteriostatic in nature
---	--------------------------------	--	--------------------------------------

(1)

15) Which one among the following is the most contagious virus?

1) Measles	2) HIV	3) H1N1	4) Polio
------------	--------	---------	----------

(1)

16) Select a sulfonamide commonly used in ophthalmic preparations.

1) Sulfadoxine	2) Silver Sulfadiazine	3) Sulfasalazine	4) Sulfacetamide
----------------	------------------------	------------------	------------------

(1)

17) Dose limiting toxicity of amphotericin B is

1) Hepatitis	2) Hypotension	3) Renal toxicity	4) Infusion related adverse effects
--------------	----------------	-------------------	-------------------------------------

(1)

18) Cyclophosphamide acts as

1) Antimetabolite drug	2) Microtubule damaging agent	3) Beta-tubulin inhibitor	4) Alkylating agent
------------------------	-------------------------------	---------------------------	---------------------

(1)

19) Which one of the followings has immunostimulant action?

1) Interleukins	2) Corticosteroids	3) Cyclosporin	4) Sirolimus
-----------------	--------------------	----------------	--------------

(1)

20) Choose a first line anti-tubercular drug:

1) Azithromycin	2) Cycloserine	3) Ethionamide	4) Pyrazinamide
-----------------	----------------	----------------	-----------------

(1)

II Long Answers

Answer all the questions.

1) Describe the life cycle of malarial parasite. With suitable examples, explain the classes of antimalarial drugs based upon their use. (10)

2) Explain the process of gastric acid secretion and drugs modulating it. (10)

III Short Answers

Answer all the questions.

- 1) Compare and contrast between erythromycin and cethromycin. (5)
- 2) With suitable examples, classify penicillins. Explain how microbes develop resistance to penicillins? (5)
- 3) Write the mechanism of action and adverse effects of sulfonamides. (5)
- 4) Explain the anticancer mechanism of methotrexate. (5)
- 5) List the general toxicological studies. Explain any one. (5)
- 6) Explain the principle and a brief procedure of AMES test. (5)
- 7) Elaborate upon general principles for the management of poisoning. (5)

-----End-----

