

TEST BANK

Doctor 2019

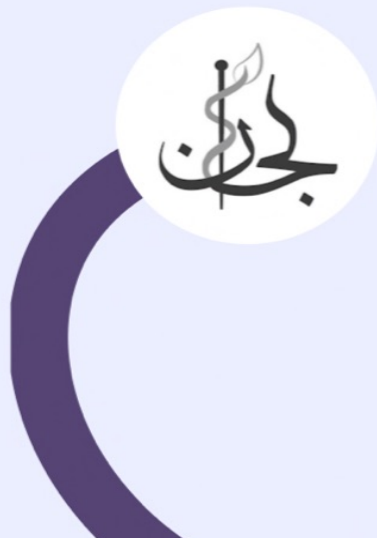
SUBJECT:

HLS Past papers Collected
questions - Week 3
(Microbiology, Pharmacology , Biochemistry)

COLLECTED BY :

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لین فاروق



{ سَنُرِيهِمْ آيَاتِنَا فِي الْأَفَاقِ وَفِي أَنفُسِهِمْ
حَتَّىٰ يَتَّبِعِنَا لَهُمْ أَنَّهُ الْحَقُّ ^{قَلْبًا} أَوَّلَمْ يَكْفِ بِرَبِّكَ
أَنَّهُ عَلَىٰ كُلِّ شَيْءٍ شَهِيدٌ { ✨ ✨

<https://youtu.be/-UvN0pGJuLM>

Microbiology

1) -The highest rate of relapsing in plasmodium species

- a. P. ovale
- b. P. vivax
- c. P. falciparum
- d. P. knowlesi

2) The infective stage of Leishmania

- a. metacyclic trypomastigotes
- b. amastigotes
- c. promastigotes
- d. trypomastigotes

3) Wrong statement about malignant tertian fever :

- a. shows 2 chromatin dots with crescent gametocytes
- b. Affects RBCs of all ages and shows all sizes
- c. irregular fever with usually episodes every (36-48) hours
- d. shows Schuffner's dots

4) Babesia Microti is transmitted by which of the following vectors

- a. Ixodes scapularis
- b. Ixodes pacificus
- c. Ixodes dentatus
- d. Tsetse fly

5) The most accurate statement about trypanosome Cruzi

- a. humans are the main reservoir
- b. vector is redivud (nose cone)
- c. its main effect happens by attacking skeletal muscles
- d. can be detected in muscle biopsy

6) Which is not true about P. malariae :

- a. chronicity
- b. glomerulonephritis
- c. hepatozoites
- d. benign
- e. band form

7) Which is wrong about malaria :

- a. sporogony in the liver
- b. it has two cycles
- c. falciparum is the most severe one

8) The asexual cycle of Plasmodia occurs in :

- a. vector
- b. RBCs

9) The infectious phase of Plasmodia is :

- a. Sporozoites
- b. schizont
- c. trophozoite

10) Wrong about *P. falciparum* :

- a. it invades all ages of RBCs
- b. only has schizogony in the erythrocytes
- c. no schuffner's dots

11) Wrong about *P. malariae*

- a. relapse
- b. tends to infect old cells
- c. band form

12) A slowly developing (chronic) disease, West African Sleeping Sickness is caused by:

- a. *Trypanosoma brucei gambiense*
- b. *Trypanosoma equiperdum*
- c. *Trypanosoma brucei rhodesiense*
- d. *Trypanosoma congolense*
- e. *Trypanosoma cruzi*

13) Vector for leishmaniasis is:

- a. Mite
- b. Tsetse fly
- c. Tick
- d. *Anopheles* mosquito
- e. Sand fly

14) Which developmental stage of leishmania is the infective stage?

- a. Metacyclic trypanomastigot
- b. Promastigot
- c. Epimatigot
- d. Intracellular trypanomastigot
- e. Amastigot

15) Cerebral malaria is seen in:

- a. P. falciparum
- b. P. ovale
- c. P. knowlesi
- d. P. malariae
- e. Plasmodium vivax

16) Newly produced RBCS are usually the only target for:

- a. None of the mentioned
- b. P. knowlesi
- c. Plasmodium vivax
- d. P. falciparum
- e. P. malariae

17) wrong about p. malariae:

- a. Relapse
- b. no Schüffner's dots
- c. glomerulonephritis

Answers ;

| | | | |
|---|---|----|---|
| 1 | B | 10 | B |
| 2 | C | 11 | A |
| 3 | D | 12 | A |
| 4 | A | 13 | E |
| 5 | B | 14 | B |
| 6 | C | 15 | A |
| 7 | A | 16 | C |
| 8 | B | 17 | A |
| 9 | A | | |

Pharmacology

1) Thrombopoietin has the same action of:

- a. erythropoietin
- b. interleukin 11
- c. filgrastim

2) Heparin and LWMH has which of the following in common:

- a. both need monitoring by Protamine
- b. both need monitoring by PTT
- c. both work on coagulation factors (X , IX, II)
- d. both are excreted by renal
- e. can be given orally

3) Folic acid analog, used in cancerous and non-cancerous problems therapies:

- a. Methotrexate
- b. Busulfan
- c. Pentamidine
- d. Rituximab

4) Which of the following inhibits factor Xa, Given orally at fixed doses and do not require monitoring, Used to prevent stroke in atrial fibrillation:

- a. Argatroban
- b. Hirudine
- c. foundaparinox
- d. Riveroxaban

5) What is the mechanism of the action for Argotroban:

- a. binds to ADP receptors on platelet
- b. binds to PAR1 receptors
- c. binds to thrombin active site

6) Wrong about erythropoietin:

- a. best source is urine of patients with renal failure
- b. given by IV and subcutaneous injection
- c. can cause hypertension and thrombotic complications
- d. used unethically by athletes

7) The folic acid analog drug which works by inhibiting the enzyme dihydrofolate reductase is effective in leukemia, lymphomas, and sarcomas, but also used in medical abortion, IBD, and rheumatoid arthritis is:

- a. Vincristine
- b. Bleomycin
- c. Methotrexate
- d. Cytarabine
- e. Cyclophosphamide

8) Neutropenia developed in a patient who recently undergone cancer chemotherapy. Which of the following agents would accelerate recovery of the neutrophil count:

- a. Vitamin B12
- b. Leukovorin
- c. rHuG-CSF (Filgrastim)
- d. Interleukin-11
- e. Prednisone

Answers ;

| | | | |
|---|---|---|---|
| 1 | B | 5 | C |
| 2 | D | 6 | A |
| 3 | A | 7 | C |
| 4 | D | 8 | C |

Biochemistry

1) which of the following is true about transferrin :

- a. Binds only 2 molecules of iron
- b. For transport and storage of iron in the blood

2) wrong about hepcidin

- a. increased in iron overload
- b. decreased in inflammation
- c. it decreases iron absorption

3) The following does not cause an increase in expression of hepcidin:

- a. Stimulation of transferrin receptor 2.
- b. Increased release of erythropoietin.
- c. Overexpression of hemojuvelin.
- d. Increased release of inflammatory cytokines.
- e. Increased release of bone morphogenetic 6

Answers ;

| | |
|---|---|
| 1 | A |
| 2 | B |
| 3 | B |

Good luck ✨