



All questions must be answered (6 questions) (100 marks)/The exam. is in two pages.

Q 1:

A) A 22-year old woman is referred to the hospital complaining of easy bruising and menorrhagia.

- What investigations should be ordered? (5 marks)

- Interpretation of results? (5 marks)

B) What is the clinical picture and treatment of hypothyroidism? (5 marks)

Q 2: Enumerate

A) Clinical picture of sclerodermia (10marks)

B) Clinical picture and treatment typhoid fever (10 marks)

Q 3:

A 62 year old male came to outpatient clinic, complaining of: headache for two weeks. Patient had no previous medical history. On examination, blood pressure 150/100 mmHg, BMI 30. Chest, heart and abdomen examination were unremarkable. Routine investigation were normal except: cholesterol was 260 mg/dL, RBS was 300 mg/dL

A) How to manage this patient? (15 marks)

B) Mention Lupus nephritis classification and management (10 marks)

Q 4:

A) Differential diagnosis generalized body edema. (10 marks)

B) Mention Extra-articular manifestations of rheumatoid arthritis. (10 marks)

Q 5: Enumerate

- A) Causes of low cardiac output heart failure? (5 marks)
- B) Causes hemolytic anemia? (5 marks)
- C) Classification and characteristics of small vessels vacuities? (5 marks)
- D) Signs of mitral stenosis? (5 marks)

يرجى مراجعه سكرتاريه قسم امراض الباطنه لمعرفة موعد الامتحان الشفوي والاكلينيكي

Good luck

Date: 18/2/2018
Examination For Diploma Tropical Medicine
Term: Final
Course Title: Physiology
Time Allowed: Three Hours

Tanta University
Faculty Of Medicine
Department Of Physiology
Course Code: TROP 7001
Total Assessment Marks: 30

All questions are to be answered:

- 1-Discuss hemorrhage and shock and body commendatory mechanisms against it. (10marks)
- 2- Give short account on jaundice. (10 marks)

3-Choose the most probable answer: (10 marks)

1-The analgesia system includes:

- a-Raphe magnus nucleus.
- b-The Periaquiductal area in the midbrain.
- c- Spinal pain inhibitory complex.
- d-All of the above.

3-Stimulation of β_2 adrenergic receptors causes:

- a-Bronchodilation.
- b-Coronary vasoconstriction.
- c-Bradycardia.
- d-Vasoconstrictor of skin vessels

5-The most important measure should be done before blood transfusion:

- a-ESR
- b-HB content
- c-RBCs count
- d-Cross matching test

7- Referred pain:

- a-Pain felt in the bones
- b-Pain felt away from its original site.
- c-Occurs always with cutaneous pain.
- d-Never occurs with visceral pain.

9-The heart rate is increased due to:

- a)Increase of the venous return
- b)Decrease arterial blood pressure
- c) O_2 lack
- d)All of the above

11-Calcium homeostasis is controlled by:

- a-Calcitonin hormone.
- b-Parathyroid hormone.
- c-Vitamin D.
- d-All of the above.

2-Osteoprosis of bone occurs in:

- a-Tetany
- b-Conn's disease
- c-Cushing's syndrome
- d-Vitamin D deficiency

4-Anemia due chronic atrophic gastritis is:

- a-Aplastic
- b- Pernicious
- c- Normocytic normochromic
- d-Microcytic hypochromic

6-Tetany is:

- a-Hypoparathyroidism.
- b-Decrease of blood Ca^{+2} level blow 7mg%.
- c-There is increased neuromuscular excitability.
- d-All of the above.

8-Atropine injected preoperatively in order to:

- a-Increase gastric secretion and motility
- b-Decrease gastric secretion and motility
- c-Increase bronchial secretion and bronchoconstriction
- d-Dilatation of the pupil

10- Steroid hormones bind to:

- a-Cell membrane receptors
- b-Cytoplasmic receptors
- c-Nuclear receptors
- d-None of the above

12-Platelet plug formation is:

- a-Important for hemostasis.
- b-Needed for stoppage of bleeding.
- c-Due to release of ADP and thromboxane A_2 .
- d-All of the above.

13-Hemostasis include:

- a-Stoppage of bleeding of small blood vessel.
- b- Local vasoconstriction of blood vessel.
- c-Blood clotting.
- d-All of the above.

15-The maximum resistance in the vascular system is present in:

- a-Aorta
- b-Arteries
- c-Arterioles
- d-Capillaries

17-Cutaneous hyperalgesia is characterized by:

- a-It arises mainly from the skin.
- b-Primary hyperalgesia is local axon reflex.
- c-Secondary hyperalgesia is a convergence facilitation mechanism.
- d-All of the above.

19-Glucocorticoides decrease the number of circulating:

- a-Microphages.
- b-lymphocytes.
- c-Red blood cells.
- d-Platelets.

14-Vascular spasm is due to:

- a-Local myogenic contraction of the blood vessel.
- b-Local axon reflex.
- c-Serotonin released by platelet.
- d-All of the above.

All the following organs share in vitamin D formation Except:

- a-The lung
- b-the liver
- c-The kidney
- d-The skin

18-The following hormones elevate the arterial blood pressure Except:

- a-Vasopressin(ADH)
- b-Angiotensin II
- c-Aldosterone
- d-Histamine

20- -Hyperthyroidism produced the following effect in the skin Except:

- a- Loss of the outer third of eye brow
- b-Erythema of palm of the hand
- c-The skin is warm and flushed
- d-Increased of sweat secretion

الامتحان الشفوي يوم الأربعاء ٢٠١٨/٢/٢٨ الساعة الثامنة والنصف صباحا بقسم الفسيولوجي

Public health Examination for diploma Degree in: tropical medicine

COURSE TITLE: TROP7004 PUBLIC H 2018

Date: 27 February 2018

Term: first part

Time Allowed: 3 hours

Total Assessment Marks: 30

Number of questions: 6 in two sides



Tanta University
Faculty of Medicine

Department of: public
health & community
medicine

All questions should be attempted

Question I: Define

(5 marks)

- a- Public health Surveillance? (1 marks)
- b- Screening/Screening test (2 marks)
- c- Disease elimination? (1 marks)
- d- Period of communicability? (1marks)

Question II: enumerate

(9 marks)

- a- Different types of epidemiological studies (study designs)? (2 marks)
- b- Causative agents, modes of transmission of brucellosis? (2 marks)
- c- Persons at risk for rift valley fever. (1.5 marks)
- d- Mode of transmission for rabies? (2 marks)
- e- Plasmodium causing malaria? (1.5 marks)

Question III: discuss

(7 marks)

- a- Preventive measures for dengue fever? (2 marks)
- b- Accelerated vaccination schedules for hepatitis B? (2 marks)
- c- The requirements for occurrence of pandemic influenza? (1.5 marks)
- d- Mode of transmission of Lassa fever? (1.5 marks)

Question IV:

(4 marks)

A female person from a village in dakahlia governorate presented to emergency room in talkha general hospital suffering from severe tonic spasm in the muscles of the left foot one day ago and today there is pain with opening her mouth.

There is past history of nail injured her left foot one month ago.

- a. What is your diagnosis? (1 marks)
- b. What is the causative agent? (1 marks)
- c. Mention the specific treatment measures of this case? What is the measure must be done after complete cure of this case? (2 marks)

Question V- MCQs: give one best answer for the following

(0.5 mark each – Total 2.5 marks)

- 1- Risk for chronic hepatitis B disease development for infant infected during the first year of live is:
 - a. About 90%.
 - b. 30 - 50%
 - c. 5 - 25%.
 - d. less than 5%.
- 2- The international incubation period for yellow fever is:
 - a. 5 days.
 - b. 6 days.
 - c. 7 days.
 - d. 15 days
- 3- Congo-Crimean hemorrhagic fever is transmitted by:
 - a. Mosquito.
 - b. Sand-fly.
 - c. Flea.
 - d. Ticks.
- 4- Chemoprophylaxis against cholera is.
 - a. Tetracyclines.
 - b. Vancomycin.
 - c. Suphadiazine.
 - d. Rifampicin.
- 5- One of the following Is Not used for prevention of Typhoid fever:
 - a- Chemoprophylaxis
 - b- TAB vaccine
 - c- Proper waste and sewage disposal.
 - d- Environmental sanitation.

Question VI – True/False: give one best answer for the following

(0.5 mark each – Total 2.5 marks)

1. Mode of transmission of Zika virus by: sexual route ()
2. Anamnestic reaction: It is non-specific stimulation of antibody formation through an obscure mechanism. An individual previously immunized with a particular antigen will show a rise in the specific antibody after giving a different antigen, intercurrent infection or fever. ()
3. Plague is transmitted by rat bite. ()
4. Corona virus (MERS-Cov) reservoir is fruit bats ()
5. Mode of transmission of Leishmaniasis is: by bite of Culex mosquito? ()

Good Luck - Prof. Abdelaziz F. Aldeeb