

Examination for Diploma Degree in: Neuropsychiatry
Course Title: Biochemistry
Date: 16 -2 -2017
Term: First part
Time Allowed: 3 hours
Total Assessment Marks: 25 marks



Tanta University
Faculty of Medicine
Department of: Medical
Biochemistry

Questions Number	Marks
Q1 What are the neurochemical abnormalities in schizophrenia?	----10----
Q2 Give an account on storage and release of acetylcholine	----5----
Q3 Discuss the pathophysiology of Parkinson's Diseases	----5----
Q4 Enumerate the neurological disorders after mitochondrial DNA mutation.	----5----

The oral exam Will be WENESDAY 1-3-2017

Date:16/2/2017
**Examination For Diploma Neuro-
psychology**
Term: Final
Course title: Physiology
Time Allowed: Three Hours
All questions are to be answered:

- 1-Discuss Cholinergic receptors and its blockers. (15 marks)
- 2- Give short account on referred pain. (10 marks)
- 3-Explain briefly speech and aphasia. (10 marks)

4-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-O₂ 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.

**Tanta University
Faculty Of Medicine**

**Department Of Physiology
Course Code: NEUROPSYCH 7002
Total Assessment Marks: 45**

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 Ca²⁺ level below 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 A₂.
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-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

No	A	B	C	D	No	A	B	C	D
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Answer of MCQ at the table

Date:14/2/2017
Examination For Diploma ENT
Term: Final
Course title: Physiology
Time Allowed: Three Hours
All questions are to be answered:

Tanta University
Faculty Of Medicine
Department Of Physiology
Course Code: ENT 7002
Total Assessment Marks: 30

ملحوظة:

26/2/2017 الامتحان الشفهي

بقسم الفسيولوجي الثامنة صباحا

اجابة الأسئلة الاختيارية بالجدول و يدبس بكراسة الإجابة

Tanta University
Faculty of Medicine

Diploma of Science in Neuropsychiatry
Anatomy Examination

Human Anatomy & Embryology Dep.

Number of Questions: 5

12/2/2017 - Time Allowed: 3 Hours

Total: 45 Marks



NEUROPSYCHIATRY

All questions to be answered

Illustrate your answer with diagram whenever possible:

1. Discuss the pathway of the pyramidal tract. (9 marks)
2. A. Describe the internal features of the closed medulla at sensory decussation. (5 marks)
B. Draw a diagram showing the floor of 4th ventricle. (5 marks)
3. Enumerate the afferent and efferent fibres in the superior cerebellar peduncle. (8 marks)
4. A. Enumerate the branches of the basilar artery. (5 marks)
B. Mention the opercula of the insula. (4 marks)
5. A. Describe the relations of the lentiform nucleus. (5 marks)
B. Enumerate the parts of the hypothalamus. (4 marks)

END OF THE EXAM

Oral Examination:

On Sunday 26/ 2/ 2017 at 10 o'clock in the Anatomy Department
(Second floor)

WITH MY BEST WISHES

Chairman of Department: Prof. Dr. Mona Zoair