

Aswan University

Faculty of Medicine

Dep. of Medical Physiology

Monday, 24/ 5/ 2017

Final Exam for Second Year Medical Students

Time: 3 h.

Marks: 150

Examination is composed of **TWO** pages.

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Answer all the following questions:

**1-Central Nervous System I: 30**

- a- Define receptor adaptation and mention its types? 10
- b- Describe FIVE factors affecting synaptic transmission? 10
- c- Discuss the characters of area 4? 10

**2-Central nervous System II: 30**

- a- Mention FOUR manifestations of stage of recovery from spinal shock? 10
- b- Describe the mechanism of stimulation of crista ampularis? 10
- c- Give an account on speech centres and their functions? 10

**3- Endocrinology: 25**

- a- Define acromegaly and describe its manifestations? 10
  - b- Mention the effects of parathormone on the kidneys? 05
  - c- Explain the anti-inflammatory effects of glucocorticoids? 05
  - d- Describe the control of glucagon secretion? 05
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<b>4- Reproduction:</b>	<b>15</b>
a- Discuss the metabolic functions of testosterone?	05
b- Describe the mechanism of ovulation?	05
c- Mention FIVE functions of progesterone?	05
<b>5- Renal System:</b>	<b>17</b>
a- Give an account on factors regulate the renal tubular reabsorption?	07
b – Describe the micturition reflex?	10
<b>6- Metabolism:</b>	<b>08</b>
Define the specific dynamic action and discuss factors affecting it?	
<b>7- Special senses:</b>	<b>25</b>
a- Explain the mechanism of impedance matching of the auditory ossicles?	06
b- Describe how the sound direction is determined?	06
c- Mention the factors affecting the visual acuity?	06
d- Define eye accommodation and describe its mechanism?	07

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Good Luck.Prof.Mahmoud Raafat &Exam.committee

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**All questions to be answered:**

**All questions in one page:**

- 1) Give an account on regulation of blood glucose? (10 degrees)
- 2) By equation only demonstrate the following: (5 degrees each)
  - Conversion of acetyl CoA into beta-hydroxybutyric acid?
  - Conversion of glucose to fructose?
  - Conversion of glycine into heme?
  - Synthesis of thyroid hormones (T3 & T4)?
- 3) Give short notes on: (5 degrees each)
  - Lactic acidosis?
  - Metabolism of sulfur containing amino acids?
  - Calcium metabolism?
  - Hyperammonemia?
  - G6PD deficiency?
  - Glycogen storage disease (enumerate & briefly discuss one of them) ?
  - Fatty liver?
  - Bioenergetics of Kreb's cycle?
  - G-protein?

*GOOD LUCK*



كلية الطب

Aswan University  
Faculty of Medicine

Department of: Anatomy

Second Year Students

Role: June 2017

Date: 12.06.2017  
Time: 110 minutes  
Total marks: 60 marks  
Number of pages: 1

Answer the following:

**I. Head and Neck (20 marks):**

1. Attachment and structures related to the cavernous sinus
2. Write in a table origin, insertion, nerve supply and action of muscles of mastication
3. Boundaries and contents of posterior triangle of the neck
4. Beginning, end and branches of the subclavian artery
5. Relations and blood supply of the thyroid gland

**II. Neuroanatomy (12 marks):**

6. Visual pathway and effect of lesion
7. Blood supply of the spinal cord
8. Cerebrospinal fluid; beginning, end, course and applied
9. Internal capsule; parts, relations and nerve fibers pass through

**III. Special Embryology (16 marks):**

10. Development and anomalies of the limbs
11. Development of the interatrial septum and its congenital anomalies
12. Congenital anomalies of the uterus
13. Derivatives of the hindgut and its anomalies

**IV. Upper Limb (12 marks):**

14. Structures superficial and deep to flexor retinaculum of the wrist
15. Radial nerve; root value, branches and effect of lesion in the spiral groove
16. Muscles doing supination and that doing pronation and their nerve supply
17. Brachial artery; beginning, end and branches

إنتهت الأسئلة مع تمنياتنا لكم بالتوفيق

البدري

توقيع المشرف على قسم التشريخ: أ.د. محمد البدرى محمد



Aswan University  
Faculty of Medicine  
Neuropsychiatry Department



Psychology (2<sup>nd</sup> grade)

50 marks

Final written exam: 17/6/2017

Give short account about all of the following:

1. Doctor – patient relationship. (10 marks)
2. Factors affecting perception. (10 marks)
3. Freud Psychosexual development theory. (10 marks)
4. Psychology of problem solving. (10 marks)
5. Reinforcement and punishment in operant conditioning. (10 marks)

(No oral or clinical exam)

GOOD LUCK

جامعة اسوان

كلية الطب

التاريخ ٢٠١٧/٦/١٧

امتحان العام الدراسي ٢٠١٦/٢٠١٧

الزمن : ساعتان

المادة : حقوق الانسان

أجب عن سؤالين فقط من الأسئلة الآتية

السؤال الأول:

من خلال دراستك للحق في محاكمة عادلة، تكلم عن ضمانات الدفاع متناولا:

- أ- حق المتهم في الاستعانة بمحام.
- ب- حق المتهم في المحاكمة أمام قاضيه الطبيعي.
- ت- حق المتهم في اعتباره بريئا حتى تثبت إدانته بحكم بات

السؤال الثاني:

من حقوق الانسان الاجتماعية، حق الانسان في الرعاية الصحية ، وحقه في السكن والمأوى اشرح ذلك تفصيلا ؟

السؤال الثالث:

- تكلم عن حق المسنين في الرعاية الاجتماعية متناولا الآتي:
- أ- حق المسن في الرعاية الأسرية.
  - ب- حق المسن في الرعاية الصحية.

تمنيتي بالتوفيق والنجاح

د/ محمود عبدالمؤمن